



ANNUAL REPORT 2021-2022

**DAYALBAGH EDUCATIONAL INSTITUTE
(Deemed to be University)**

**Grade A+
University
by NAAC**



Duty

Beauty

Loyalty

Success

Service

Cooperation

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DAYALBAGH EDUCATIONAL INSTITUTE

(DEEMED TO BE UNIVERSITY)

DAYALBAGH, AGRA 282 005, INDIA

PROF. PREM K. KALRA, DIRECTOR

FROM THE DIRECTOR'S DESK



The Dayalbagh Educational Institute (DEI) (Deemed to be University) is well-recognized for its innovative, global and multi-variate approach to education. In addition to academics, our students are encouraged to practice ethical, civic, and social values and qualities, and DEI has thus had a substantial social impact in terms of, for example, women empowerment, economic inclusivity, and environmental monitoring and rectification. Activities promoted on campus are in line with United Nations Sustainable Development Goals (UNSDG) and the 'Sigma Six Q-V-I-A' way of life model shared by Dayalbagh. Innovation, women empowerment, education, creation of a sustainable healthcare habitat, air and water quality monitoring, and agroecology-cum-precision farming and dairying are some of its hallmarks. These are strengthened by a frugal lifestyle that promotes ever-evolving and adaptable 'Better Worldliness', which represents the Golden Mean Path between extremes of gross worldliness and sequestration in forests practiced by *rishis* and *munis* of yore.

At DEI, we encourage research that has an impact on both people and the planet. Climate change, food security, renewable energy and healthcare are some such areas. In particular, we have tried to build critical mass in the interdisciplinary, multidisciplinary and transdisciplinary areas of social importance earmarked by the World Health Organization and the United Nations. Undergraduate research is encouraged through the award of fellowships and summer internship programs. Our undergraduates are encouraged to take up research in cutting-edge areas like quantum computing and information processing, consciousness (examined from the triple perspectives of Arts, Science, and Engineering), and new and renewable energy with an aim to create researchers with the acumen to provide holistic solutions to future global challenges. DEI along with its international collaborators, has been working in these areas for two decades, resulting in the evolution of several research platforms that have also helped in solving local problems. DEI's Co-educational (Co-Ed) and Co-operative (Co-Op) model supports women empowerment and industry-student programmes. A Co-Op semester is compulsory for all professional programs in the Institute, its duration varying with the programmes.



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DEI offers many mini-plants and skilling and vocational programmes since its inception. Some success stories of previous year are the development of electric vehicles through the conversion of conventional vehicles, and designing and aiding Industry in field testing, especially of agriculture appliances. Attempts are being made to design and develop drones for various applications, and to develop a combination of a drone and an electric car, a so-called 'Flying Car'! DEI's neighboring communities are served through multiple agencies such as the National Service Scheme (NSS), National Cadet Corps (NCC), Bharat Scouts and Guides, and Unnat Bharat Abhiyan. Medical doctors too volunteer every week at Medical-cum-Rural Assistance Camps. These camps provide consultation in health, hygiene, skilling, agroecology-cum-precision farming, and employment. Food supplements are provided in the camp to children of neighbouring communities. These activities are carried out in the out in the vicinity of villages and are run by our enthusiastic student volunteers.

DEI has 483+1 Information Communication Technology-based Centres across the globe. Most of these are in remote villages and, since 2004, ICT has been utilized to deliver education and vocational programmes ranging from pre-nursery to higher education. Entrepreneurial skills are developed through setting up mini plants like Dairy, Apparel Stitching, Textile Printing and Bamboo Technologies. DEI has partnered with underprivileged communities in remote locations to set up Self-Help Groups. These have proved to be successful engines of growth for villagers belonging to scheduled castes and tribes.

Prem Kumar Kalra

(Prof. Prem Kumar Kalra)

About the Institute

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.



Brief History

Soon after Dayalbagh was founded 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 and 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; B.Ed. (B.T.) classes were added in 1951 and the first batch of B.Sc. 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 B.A. and B.Ed. Programmes. Subsequently, in 1958, M.Ed., in 1969 M.A. (Psychology/English/Hindi) and in 1976, M.A. (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 B.Sc. (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 University” on the Dayalbagh Educational Institute, to implement the new scheme. The Institute has since been accorded the membership of the Association of Indian Universities. The Institute comprises faculties of Arts, Commerce, Education, Engineering, Science, Social Sciences and AYUSH. From the session 1986-87, the DEI Technical College, a diploma level Engineering Institution, from the session 1995-96, the DEI Prem Vidyalaya Girls’ Intermediate College, and from the session 2012-13, the REI Intermediate College (Boys) have also been brought under the academic and administrative control of the Institute. The Vocational courses were started in the year 1993. The Women's wing of Technical College – Women’s Polytechnic was started in the year 2004, and in the same year, the Institute initiated a major programme of Distance Education to benefit students residing at urban-suburban interfaces. The vocational education programmes of DEI started in 2004, foresaw many elements of the AICTE NVEQF and MHRD Community College schemes launched almost a decade later and is an effort to effectively implement the following national missions for the Socio-Economic Development of the Country:

- The National Mission of Sarv Shiksha Abhiyan – Universal Elementary Education under the Right to Education Act
- Make in India
- Skilling India
- Digital India
- Clean India (Swachh Bharat Abhiyan)
- Unnat Bharat Abhiyan
- Beti Bachao Beti Padhao Abhiyan
- Green India

In 2009, the Dayalbagh Educational Institute was placed in the First Category of 38 “Deemed to be 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”. Also, a Deen Dayal Upadhyay Kaushal Kendra was sanctioned to DEI by MHRD to offer B.Voc., M.Voc. and PhD degrees in skilling. In 2019, 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, 2019, the Institute was placed at 77th rank in the Category of University, 84th rank in the Category of Engineering. Electrical and Mechanical departments of the Faculty of Engineering have been accredited by National Board of Accreditation (NBA). The Institute is open to all irrespective of caste, creed, race, religion, economic position or social status.

Philosophy

The Institute has introduced a scheme of innovative and comprehensive education at university and other technical and general school/college education levels which,

- aims at excellence but not at the cost of relevance.
- inculcates dignity of labour and encourages initiative and creative work.
- is multi-disciplinary, which prepares individuals for the increasingly techno-oriented society of tomorrow without uprooting them from their agricultural moorings.

• aims at generating in the 'Students' the basic values of humanism, secularism and democracy by exposing them to the principles of all the major religions of the world and to their own cultural heritage, thus developing in them an integrated personality of well-adjusted men and women whose 'world has not been broken into fragments by narrow domestic walls'.

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 to provide linkages to all stakeholders' potential 'Values and Quality' to the kinetic permanent state in a dynamically-oriented and refreshed equilibrium through integrated hierarchical system of education enabled by economic and flexible (jugaad) innovation technology founded firmly on DEI's Education Policy. DEI, a leading Entrepreneurship and Consciousness, Teaching-cum-Research Institute, is a model University, measured by its 'excellence, but not at the cost of social relevance' reaching up to the last, the least, the lowest and the lost; pursuing research and discovery with frugal innovations contributing with principle of achieving more with less for nation and community-building and beneficial to public at large with cultural reforms enriching and empowering weaker / under-privileged sections, women and children. In the year 2004, DEI defined its VISION 2011. This policy heralded many features that have later been incorporated in the Nation's education policy and programs. DEI has been a visionary and forerunner in adopting innovative schemes in the field of education.

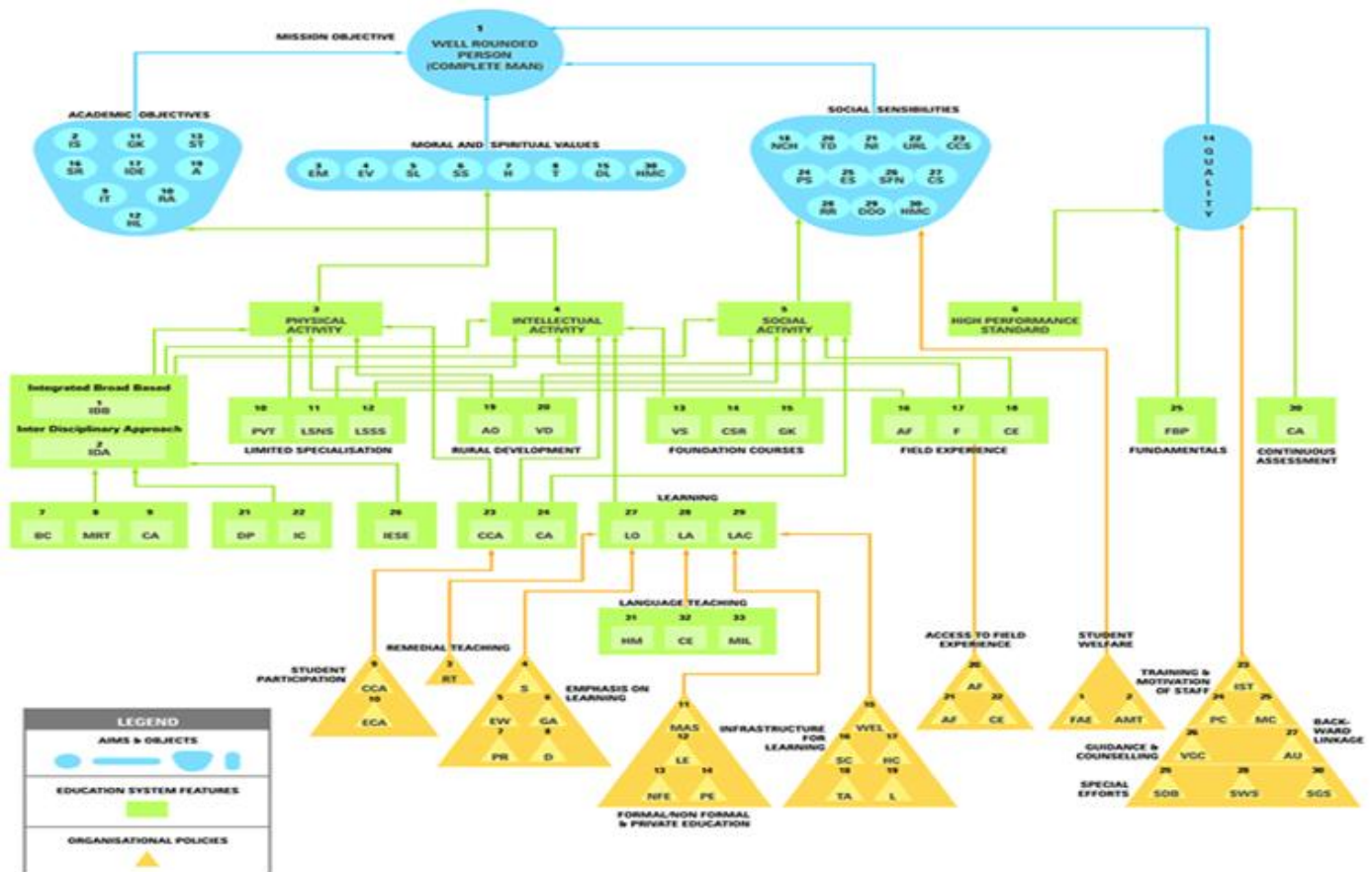
The DEI Education Policy

Education in DEI is rooted in its Education Policy (1975) with a focus on the development of all three dimensions of a human being, i.e., physical, mental and spiritual, which can be achieved by undertaking intellectual, physical and social activities. 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:

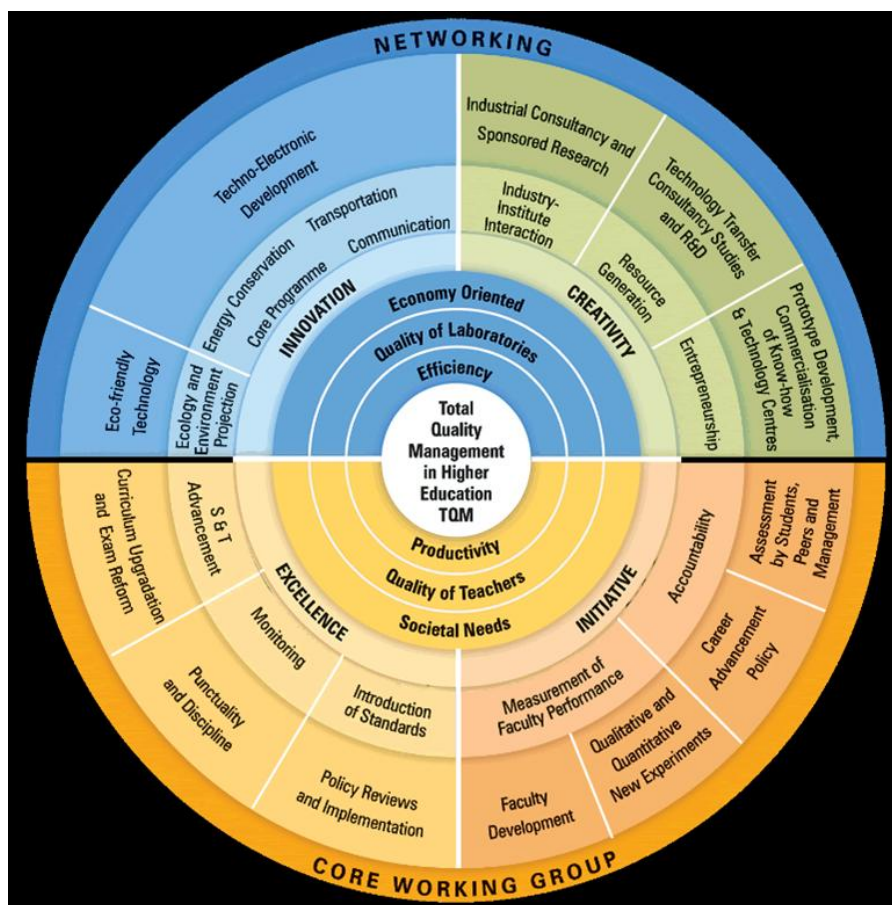
- Physical, intellectual, emotional and ethical integration of an individual.
- Evolve the complete man with values of humanism, secularism and democracy, to better equip him to solve social, economic and environmental challenges.
- Truthfulness, temperance and courage.
- Ideals of humility, simple living, 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.

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.



Interpretive Structural Model for Educational Policy of DEI



A Conceptual model for the Total Quality Management (TQM) framework through which DEI endeavours to achieve quality in Higher Education (Professor P. S. Satsangi, 2002, 'TOM in Higher Education and Technical Education')

At DEI, in addition to the traditional 3R's of Reading, Writing and Arithmetic, emphasis is laid on the importance of conserving and incrementally nurturing the state of self-actualization of a child from the time of birth. Since the needs, motivation and education vary from individual to individual throughout their lives, DEI attempts to make the initial conditions as favourable as possible. Therefore, education here begins at the tender age of three weeks as the *Superman Evolutionary Scheme*, under which infants from the age of 3 weeks to five years and their parents, undertake various activities in the community agricultural fields as part of their daily routines. It is our observation that such activities, along with the emphasis that we place on minimalism, better worldliness, selflessness, sacrifice and frugal innovation, inculcate and nurture mental and spiritual development.

The Institute offers a whole range of central facilities to its students. These include Central Library, Computer Centre, Games and Sports facilities, Gym, Vehicle Parking, Security & Surveillance, 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.

Extrinsic and Intrinsic Education

The educational framework of the Institute addresses physical, mental and spiritual needs through a blend of intrinsic and extrinsic education. While extrinsic education, includes tangible outcomes such as skilling, numeracy, employability and subject matter expertise, is generally provided across all educational systems, careful crafting of an educational framework is required to include intrinsic development as formal part of the curriculum. Intrinsic education is central to DEI's approach and focuses on inculcating in students' values, qualities and attributes such as truthfulness, justice, tolerance, brotherhood, and selflessness that lead to the development and progress of the community. It is obvious that intrinsic education is an intangible and latent, life-long, self-learning process for which seeds should be instilled at inception and nurtured throughout the learning process. The combination of DEI's intrinsic and extrinsic education ensures development of a 'person-for-community' approach, rather than 'person-for-self'. The various activities and programs implemented at the Institute also effectively contribute to the attainment of UN Sustainable Development Goals (UN SDGs) which provide the blueprint to achieve a better and more sustainable future for all.

At DEI, we encourage a, spirit of selfless service and "sacrifice for the larger good, and a frugal, Earth-friendly approach to life. Our education blends 'magnification' which is the development of subtle levels of the inner (microcosmic) self, and 'scaling—up', which refers to processes in the physical world (macrocosm) that lead to profit and pleasure. Holistic education at DEI blends both these aspects of personal development, with the maxim '*Fatherhood of God and Brotherhood of Man*' being an overarching guide. With a fee structure that is the lowest in the country in comparison to the other institutions of higher learning, DEI offers hope to the last, the least, the lost and the lowest.

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, Melathiruvenkatanathapuram, 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 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:

Vision 2031

The Dayalbagh Educational Institute has embarked upon a bold initiative, VISION 2031, and formulated a comprehensive and progressive Strategic Plan for 2012-2031, with the goal to become a top teaching-cum-research Institute through an exemplary system of education. To establish Total Quality Management across all activities of the University, the Plan encompasses undergraduate and postgraduate education, research, infrastructure, and information and communication technology and campus development. The Institute has accepted this challenge and is confident of achieving success with the cooperation of faculty, staff, students, alumni and other interested partners.

Working towards a Sustainable World

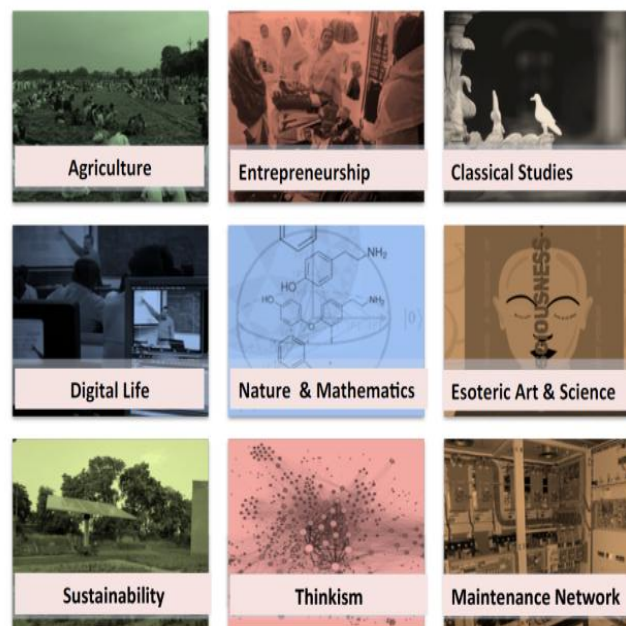
DEI has always advocated and is practicing 'excellence with relevance.' DEI envisions to be a leading teaching cum research institute in Consciousness studies and Entrepreneurial education with emphasis on agriculture, dairy farming and healthcare. Research and technological advancement benefitting the 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-V-I-A 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 six qualities are Innovation, Air Quality, Water Quality, Health and Education, Agriculture and Dairying and Values such as Duty, Beauty, Humility, Courage, Temperance, Wisdom, Loyalty and Justice. The cumulative effect of interaction of all the six components is many times more than their individual effect that leads to a synergistically enhanced impact on the system.



Research with Impact, Engaging with our Communities

The Institute follows the Living Lab approach that personifies experiential education through skilling in globally relevant and emerging technological areas like Renewable Energy, Internet of Things (IOT), Dairy Technology, Water, Health and Sanitation among others. 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, Esoteric 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 the only Academic Institution in North India with FSSAI and HACCP license to export flavoured milk to the USA. This is reaffirmation of its commitment to become a fore runner in heralding the 2nd White revolution and is reminiscent of the 1930s, when the Dayalbagh Dairy was deemed as being the Best in Asia. 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). 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 check-ups, 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 economic 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.

Education@DEI in the time of COVID-19

DEI's commitment and investment since 2004 in Information Communication Technology (ICT) in education paid rich dividends during the COVID-19 pandemic. With "Be Prepared" as one of its guiding tenets, DEI was braced to weather the storm even before it hit. Ready access to 476 ± 1 centres, 1577 virtual groups on video and 71,000 individuals on audio meant that content created in multiple languages in hard and soft forms could be easily and quickly distributed among students. Extensive use of various Virtual Classroom platforms since 2004 gave us the edge in adapting to the challenges posed by lockdowns without any loss of time and quality. Also handy in the initial phase of academic activities were supervised, on-line open-book and take-home exams and Daily Home Assignments that are part of DEI's evaluation system.

Admissions too, proceeded as scheduled even under the new normal: DEI managed almost 40,000 applications for 4000 seats across all its programmes and courses through online, supervised entrance exam, followed by interviews. The Institute delivered education practically at the doorstep of its students, following norms of supervised online education without any misuse of ICT. The pandemic cast an unflattering light on the harsh asymmetries in our society. The plight of migrant workers, loss of employment and loss of life brought deep pain and uncertainty to our lives. DEI came forward to offer skilling programmes to applicants who could not get admission in regular academic and skilling programmes. Graduate students who could not get admission were given stipends against work done in DEI's agriculture farms, and for other activities. DEI's programmes for village development, start-ups, Digital India, and empowerment of women, SC and ST continued at the same pace as before COVID-19 struck.

One of the global impacts of COVID-19 has been universal adoption of Work From Home (WFH). This has resulted in a paradigm shift psychologically as well as physically, as interaction moved from in-person to virtual mode. Prolonged confinement has had a deep impact on mental states of people. A new kind of 'virtual society' has come into being, with on-line meetings, seminars, workshops and conferences becoming the norm, changing the way people and businesses conduct operations. With marketplaces shifting to the virtual world, e-commerce has become mainstream. The pandemic has conclusively demonstrated how people can benefit through minimalism, conservation and innovation in life and work.

On 19th September, 2020, DEI hosted an interaction with Mr. Sam Pitroda, widely acknowledged as the Father of India's Computer and IT Revolution. Overwhelmed by the DEI's commitment to academic activities even during the crisis caused by COVID-19 pandemic, Mr. Pitroda's spontaneous appreciation is worth quoting. He remarked: "There should be a DEI in every district of India". On 23rd September, 2020 similar sentiments were expressed by the former Deputy Governor, RBI, 'Prof. Viral Acharya, currently Professor of Economics, NYU Stern School of Business: "Eco-system works not only on education of children at the last mile but also works on vocational training. It is something that I have always felt necessary to meet the needs of employment for the Indian youth". It is worth mentioning that the Dayalbagh and DEI perspective and culture is embedded in its unique lifestyle that has been evolved according to the needs of the changing times but never at the cost of certain basic elements that remain immutable even in the face of changes elsewhere. The philosophy of "Waste nothing" has always remained cardinal to our lifestyle that aims at reducing wasteful consumption of all-natural resources viz., energy, water, food and in short, all resources. It is through this way of living we curate and scale up DEI-CUM-Dayalbagh MODEL OF Sustainable modern healthcare habitat and self-defence. With given multiple choices, at DEI, we take the golden mean path which helps in sustainable development and is also in consonance with what Dr. Sam Pitroda reflected in his remarks on the activities of DEI and its educational framework.

Agriculture, Consciousness and Entrepreneurship

Agriculture, Consciousness studies and Entrepreneurship are the three thrust areas of DEI. These areas link up past with future, frugal engineering with cutting-edge technologies, tilling, toiling (using one's hands) and tinkering with higher-order, sophisticated thinking. A healthy body and mind, practices such as ultra-transcendental meditation leads to inner well-being and a stress-free lifestyle, enabling progress because of non-interference of negativities.

The Dayalbagh agriculture produce includes grains, fruits, vegetables, flowers and medicinal plants in 1200 acres of land. Agriculture produce during the lockdown period was abundant in quantity and variety. The total Green Fodder yield including *Rabi, Kharif and Ziad* grew to 40184 qts. in 2019-20, which is the highest in comparison to the previous five years of agricultural output. The social work carried out by Dayalbagh community and DEI students, staff and faculty members not only contribute to healthy lifestyle but also to food security, healthcare and selfless services to mankind.

The Dayalbagh community's schedule of twice-a-day agriculture fields activity along with congregational prayers open to all, has considerably helped the members of the community not only in maintaining their physical health and mental alertness but also in enhancing their consciousness awakening, inner peace and a spirit of optimism in life.

Gaushala, another pillar in the process of sustainable development of DEI and Dayalbagh, has about 1100 cows. In the last 10 months the average milk production has been 1,465 litres per day with a peak also of 1,957 litres. The gaushala milk is consumed by the community and DEI Dairy. The Dairy has pasteurizing, homogenising, testing and packaging facilities for milk and milk products. DEI's dairy products with value addition like flavoured milk, butter, chocolates, ice-cream, fudges, truffles, basundi, burfi, hot-milk, curd, ghee, shrikhand and many others are manufactured afresh every day. Nothing stops the dedicated spirit of service, and even in the face of the COVID-19 crisis. 698 liters of milk has been processed in a single day and 180 liters on daily basis in DEI Dairy. Similarly, 232 liters tea were made for distribution to field workers in a single day and 110 liters on daily basis. "On an average 6000 liters of milk and 3500 liters of tea have been processed in a month during the pandemic. The butter production has gone up to 4000 cakes of fifty grams per week.

AIR and WATER QUALITY Monitoring and Assessment at Dayalbagh

"At Dayalbagh we have a Modern Health Care Habitat with provisions for health security and personal security with built-in self defence mechanism". This objective is achieved through SIGMA SIX Quality, Values and Attributes wherein Water and Air Quality are monitored regularly at Dayalbagh.

Development of bio-diversity parks and agriculture fields proved to be a boon: the wide and open spaces provided excellent platforms for teaching and working in Lab-on-Land activities while maintaining social distancing and other precautions. Outdoor self-defence physical training provided a huge sense of personal safety and security.

Innovation leads to development. The integration of UV light sources and sanitizers provided a three-dimensional impact in the sanitization of classrooms and offices. The use of masks to cover mouth and nose and wearing of helmets became mandatory for the prevention of COVID-19. It may be noted that these practices and sanitization processes started in DEI in the month of December 2019, much before the pandemic struck! DEI-associated Self-Help Groups (SHG) and village development activities under Apparel & Toys Manufacturing Association (ATMA) fulfilled the need for masks for the community and the Institute. DEI is a successful participant of TEQUIP ill programme and DST

Mission Innovation Projects. All through the COVID-19 pandemic, Institute activities continued uninterrupted.

Achievements and Awards during the Pandemic

DEI faculty and students participated in the MIT hackathon COVID-19 Challenge- India: Turning the Tide' and won several awards and recognitions.

A team led by Prof. K Soami Daya won this award in Track E. Mr. Ashish Kumar won in Track B, Mr. Prateesh Kumar and Ms. Amolly Gupta won in Track J.

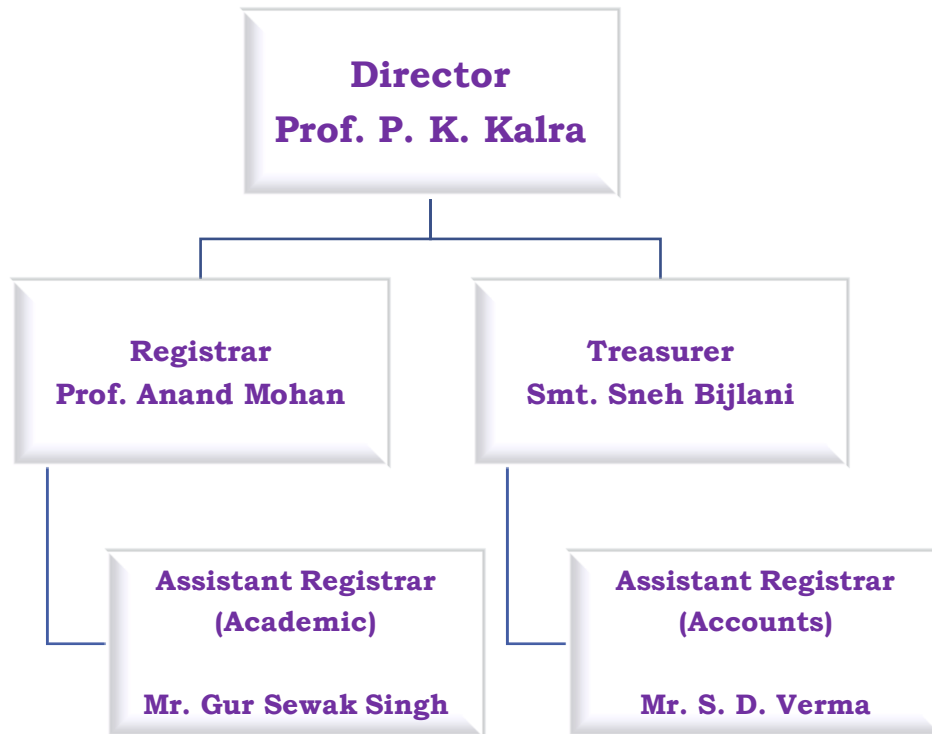
Self-Help Groups based in the tribal areas of Madhya Pradesh were awarded a contract to stitch uniforms for schools by the local government.

Master's programmes were started in Business Incubation, and B. Tech in Agriculture Engineering.

DEI also signed several MoUs with national and international institutions/universities, organized the bi-annual Dayalbagh Science of Consciousness Conference on May 22, 2020 and January 01, 2021, conducted webinars and organized lectures by several distinguished speakers.

Organizational Structure

The senior administration of the Institute consists of the following.



Administrative and Academic Bodies

Administrative and Academic Bodies



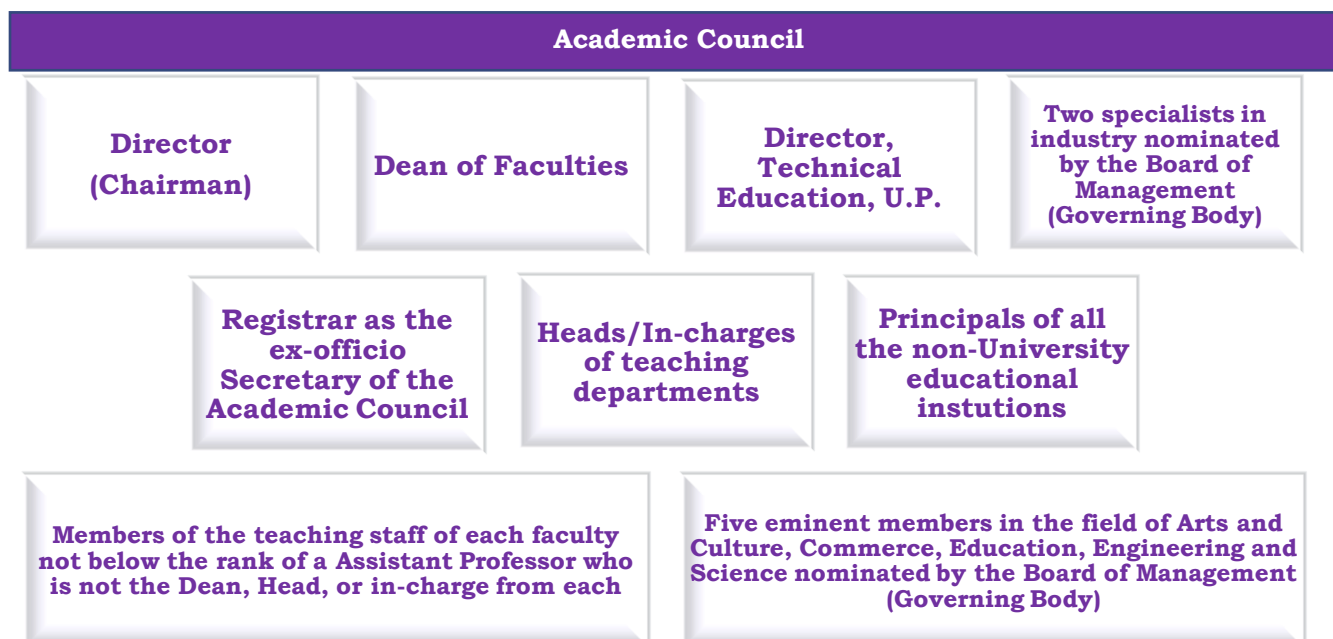
Board of Management (Governing Body)

The Board of Management (Governing Body) of the Institute consists of 14 members as can be seen from the figure below. The Board of Management (Governing Body) meets as often as necessary.



Academic Council

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



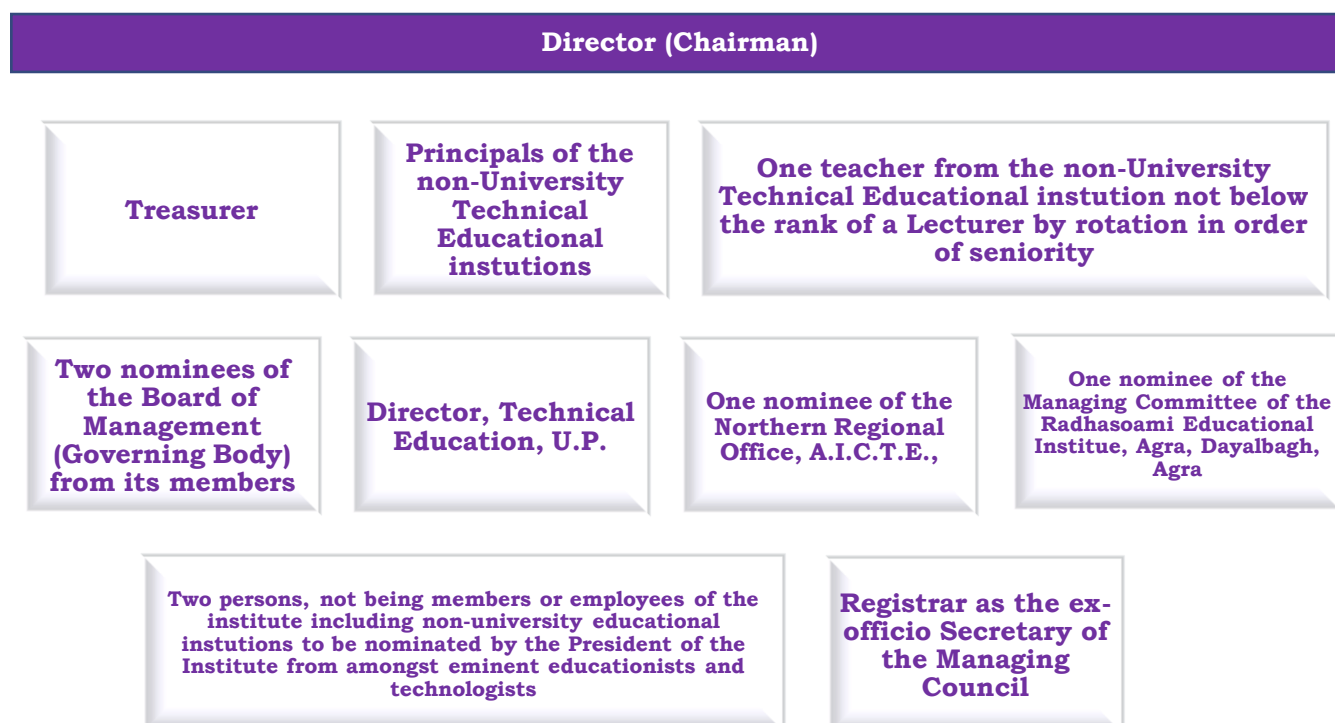
Finance Committee

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



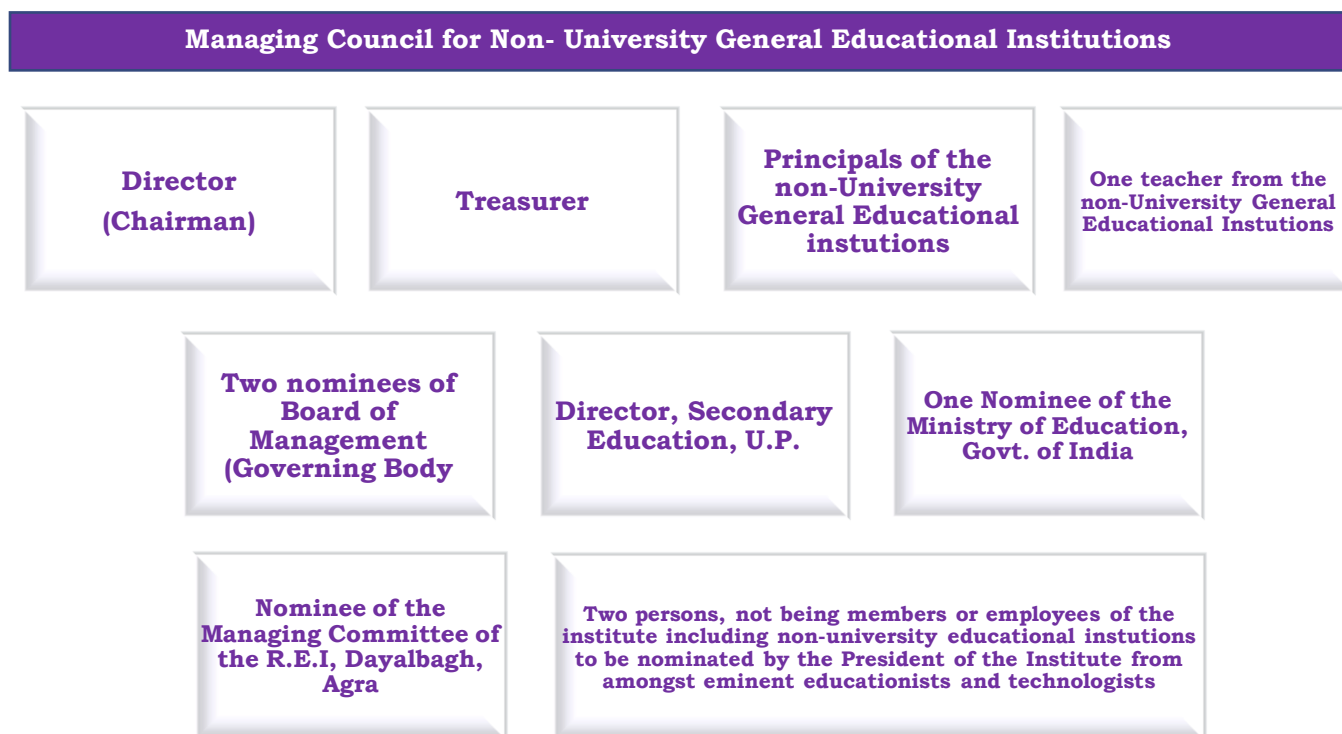
Managing Council for Non-University Technical Educational Institutions

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 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.

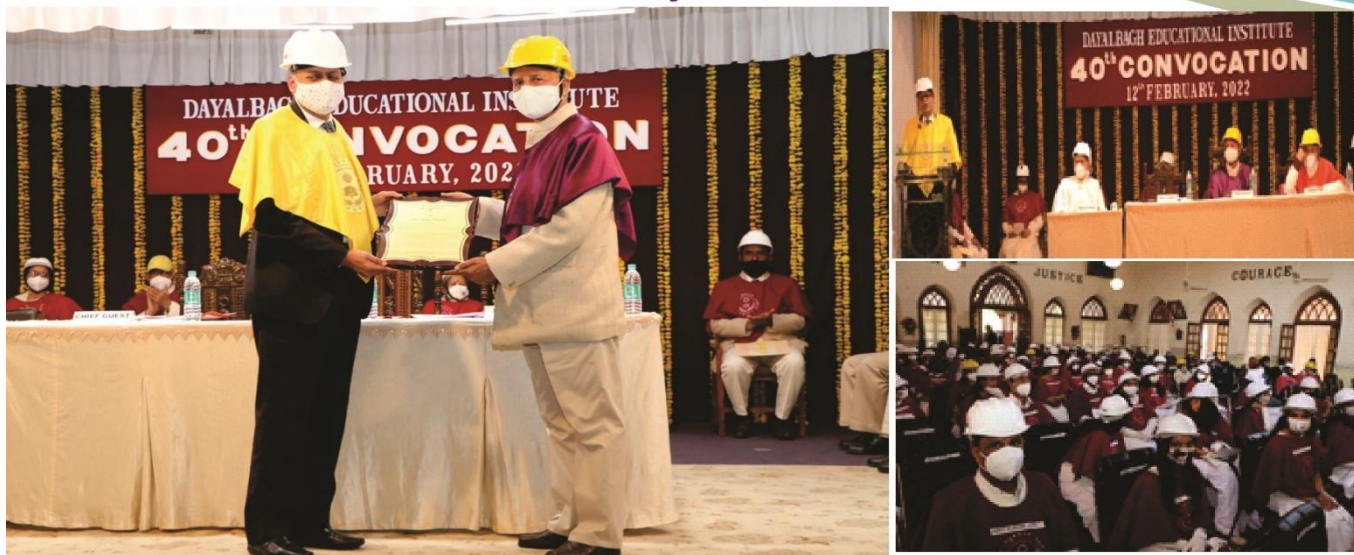


In addition to Deans of various Faculties, DEI has the following posts:

- ❖ 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 Board of Management (Governing Body), Finance Committee, Managing Council and Academic Council can be seen in **Annexure-I**

Administrative Report

XL Convocation



The 40th Convocation of Dayalbagh Educational Institute was held in the most solemn and dignified manner on 12 February 2022. Most Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions (Non-Statutory body, serving as a Think-Tank for DEI) and Most Respectable Rani Sahiba graced this milestone event in the virtual-virtuous mode. Dr Ajay Kumar, IAS, Secretary, Ministry of Defence, Government of India, was the Chief Guest on this occasion. The Convocation ceremony began after the robed Academic Procession reached the Convocation Hall and the members, including the Chief Guest, took their respective seats. After the rendering of the Institute's Prayer, Prof. P.K. Kalra, Director DEI, sought permission from, Shri GS Sood, President DEI, and declared the Convocation open. Thereafter, the Director presented his Annual Report in which he first and foremost enlightened the gathering about the unique lifestyle followed at Dayalbagh and DEI based on the trinity of 'Better Worldliness' (selfless service to the neighbouring community), 'Fatherhood of God and Brotherhood of Man' and 'Sigma Six V-Q-I'. He also introduced the audience to the latest contributions and innovations made by DEI in different fields and shared the voice-overs of highly encouraging remarks made by three of the distinguished visitors to DEI. This was followed by the conferring of various Degrees, Medals and Awards and signing of the Scroll of Honour by the Director. This year, a total of 5742 students of different programmes of study received a degree/diploma from the institute. 89 students were awarded PhD Degrees, 3136 students got Bachelor's degrees, and 708 students received Master's degrees, 65 attained M.Phil. degrees, 821 received diplomas, 17 got post-graduate diplomas, 327 got High School certificates and 422 got Intermediate degrees. 153 students received the Director's Medal for attaining the highest-grade points in their respective programme of study. This year three students received the President's Medal for their remarkable achievements. For securing the highest grade point in All Undergraduate Examinations, 2021, Ms Mitali Varshney was awarded the President's Medal whereas for securing the highest-grade point in All Postgraduate Examinations, 2021, Ms Arti Gupta and Ms Tanya Singh received this prestigious medal. In the end, President, DEI presented the Lifetime Achievement Award on behalf of the Systems Society of India to the Chief Guest, Dr Ajay Kumar. ■

During his Convocation Address, Dr Kumar after congratulating the students for their respective achievements enthralled the audience with his most remarkable speech. He commended DEI for creating a unique blend and a successful model of 'Tradition and Technology' and establishing itself as

a formidable force that has constantly grown in size and stature. He inspired the students to work towards excellence through innovation by sharing the success stories of various innovative feats attained by India in different walks of life. In the end, calling the present century to be the one that belongs to India, Dr Kumar encouraged the students to go forth and grab the glorious destiny that awaits them.

Dr Ajay Kumar, before attending the Convocation, had paid a visit to the Exhibitions and the various academic initiatives and facilities of the Institute. The overwhelmed Dr Kumar, thus, put his feelings on record:

"Visiting DEI and delivering the Convocation address was an exceptionally revealing experience. It is difficult to believe that there exists an institution which combines science with spirituality, modern tech with traditional Indian values, theoretical concepts with practical work with such ease and conviction. Achieving this symphony in moulding young minds is a task impossible for most institutions. But not for DEI. One sees this everywhere in DEI as DEI goes about in its normal work.

What I liked most was how working with hand, learning by doing and dignity of work is embedded in life of every individual of DEI whether a student, a faculty member or staff This aspect of training by itself ensures students of DEI are moulded into worthy citizens of India. Thank you for inviting me. I consider myself fortunate to have been blessed with spending a day at DEI. DEI-an institution which has so much to offer and about which so little is known. A hidden nugget not only for students but for educationists, policy makers and others. Merely seeing the functioning is a great education.

My prayers and best wishes for DEI and all members of DEI family".

Founder's Day



On 31st January Dayalbagh Educational Institute celebrates its Founder's Day to commemorate the birth anniversary of Revered Dr M. B. Lal Sahab, the Founder-Director of this Institute. This year this event was organized in a simpler, yet effective manner while following the safety measures recommended at the time of the pandemic.

The celebration commenced with *Shramdaan* at the agricultural fields by the staff and students in the wee hours of the morning. Alongside this activity, a lecture on Agroecology by Prof. Geoff Sim, Director, Global Academy of Agriculture and Food Security, University of Edinburgh, UK was organized through video conferencing. Prof. Sim explained how the hunger crisis could be dealt with on a global level. While doing agricultural work, Most Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions (Non-Statutory body, serving as a Think-Tank for DEI) observed the educational progress of DEI through a video film. Later *Prasad* was distributed to all.

While maintaining the safety protocol, the students, faculty and staff of various Schools, Faculties and Colleges of DEI displayed their achievements, creative products and innovative projects through both physical and virtual media on the occasion. The day was celebrated with great enthusiasm and gaiety around DEI's 477±1 distance learning and ICT Centres across India and abroad.

Independence Day Celebrations

The 75th Independence Day was celebrated on 15 August 2021 with zeal and enthusiasm while adhering to the Covid-19 norms. Shri G.S. Sood, President, DEI and RSS Sabha, hoisted the National Flag as the Chief Guest on the occasion. A grand March Past was presented by the students of different Faculties, Schools and Colleges of DEI.

Shri Sood highlighted the significance of the sacrifices made by the freedom fighters and praised the role played by DEI in propagating value-based education in the country. Director of DEI, Prof. P.K. Kalra mentioned the new initiative taken by DEI in the form of Art, Beauty, and Creativity (acronym ABC) and emphasized that we should all be ingenious and creative in bringing our own original creation to the world. Winner trophies were given to the winning teams of the March Past. Among the boys, Technical College and DEI Band jointly won the prize whereas in the category of girls, DEI Prem Vidyalaya was declared the winner.



A Special March Past Prize was also given to DEI Saran Ashram School Children. Special prizes were also given to the winners of 'Swatantrata ka Amrit Mahotsav' event that was organized earlier. The names of the winners are as follows-

1. K. Gurumehak, REI
2. Shabd Sharma, REI
3. Chavi Saraswat, Science Faculty

4. Garima Singh, DEI Prem Vidyalaya
5. Surya Yadav, Education Faculty
6. Tamanna Tomar, RSAW School
7. Khushi Kumari, Prem Vidyalaya
8. Agam Preet, REI
9. Avdesh Singh, Education Faculty
10. Agam Singh, REI

Socio-Cultural Day Celebrations

On the occasion of the festivals of Lohri and Makar Sankranti, the NSS Unit of DEI organized a plethora of activities under the directives received from the Ministry of Youth Affairs and Sports, Govt. of India. This included carrying out campaigns to make the residents of the nearby areas conscious of the need to strictly follow the protocol recommended for protection from the ongoing pandemic, making them aware of their voting rights, and conducting a cleanliness drive. Besides these, as per the tradition, cultural programmes at different vicinities of the institute were also organized to mark the celebration of the Socio-Cultural Day.

While on both the days of the festivals, i.e., on 13 and 14 January 2022, the morning session was spent by the NSS Volunteers in organizing a cleanliness campaign in the areas situated near the institute, in the evening of the Lohri day, a vibrant cultural fiesta was organized for the DEI students.

The programme commenced with the Director DEI's Address, where he welcomed the gathering and elucidated the significance of celebrating Lohri and Makar Sankranti. Following this, a multifarious cultural bonanza was catered by the DEI students, which included the presentation of folk songs and dances representing different regions of India, self-composed poetry as well as musical melodies with the accompaniment of multiple instruments, organized around the symbolic smokeless fire. The presentations by the girls were organized at the Girls' Hostels vicinities and the boys and student groups from different schools of DEI showcased their talent at the open fields of Dayalbagh. The distribution of traditional delicacies made of peanuts, Gur, Til, etc. enhanced the excitement quotient of the gathering. The complete programme was conducted while following all the precautionary measures as per the recommended protocol at the time of the Pandemic.

Republic Day Celebration

Dayalbagh Educational Institute has always been very particular in celebrating the National Festivals to mark the importance of historical events as well as pay tribute to our nation's heroes for their sacrifices and contributions towards the integrated existence and growth of the country. The latest in this category was the celebration of India's 73rd Republic Day at the institute, following all safety precautions on account of the ongoing pandemic. Shri. G.S. Sood, IDAS(Retd.), President, Dayalbagh Educational Institutions as well as Radhasoami Satsang Sabha, was the Chief Guest on the occasion.

As the National Flag was unfurled, the National Anthem was sung in unison by all. The NCC Cadets presented the Guard of Honour, which was followed by a brilliant display of parade on the marching tunes of the DEI band in which the tiny tots registered in Dayalbagh's Sant Supermen scheme, and students from various schools, colleges, faculties and vocational programmes of DEI participated, holding their flags and placards with pride. Following the impressive parade, a melodious song infused with patriotic fervour was rendered by DEI students.

In his address, the Chief Guest referred to the history of Britishers' arrival in India and the struggle made for attaining freedom. He also highlighted the facts related to the setting up of the Constituent Assembly and finally the Constitution coming into effect on 26th January 1950. After highlighting the

important and unique features of India's Constitution, Shri. Sood remarked that the students of DEI should feel proud that they are a part of an institute that governs on the principles of 'Fatherhood of God and Brotherhood of Mankind' and where education is provided from the Nursery class to D. Sc. degree. He also proudly referred to the important Patents received recently by DEI and the wonderful feats attained in the field of power generated through Solar Energy and finally encouraged the students to remain rooted in their cultural and ethical foundations.

While giving his remarks, Prof. P.K. Kalra, Director DEI, talked about the dream of 'Purna Swaraj' and expounded on the true meaning of Independence for a nation. While referring to the speech delivered by the Honourable President of India on the eve of Republic Day, Prof. Kalra stressed the fact that most of the values mentioned in his speech were already being practised at DEI since its inception. He also mentioned the new initiatives related to the integration of Sanskrit at various levels of learning at the institute and highlighted the significance of the principles of Agroecology in the institute's operations. He ended his address by reciting two couplets of Ghalib: "*Thodi Si Maafi ...*" and "*Kuch Is Tarah...*".

Students of the DEI band and PV Girls Intermediate College were declared winners of the March Past and were felicitated by the Chief Guest and Special Prizes were also given to the little members of the Sant Superman Scheme and students of the contingents of PV Primary and Radhasoami Saran Ashram School for their brilliant performance. Later, all the dignitaries took part in the Tree plantation programme to mark DEI's commitment to the preservation of the environment.

Institute's Achievements

District Green Champion Certificate to DEI

तारीख / Date: 19-08-2021
ज्ञापन संख्या / Memo no: MGNCRE/SAP/Agra/318




भारत सरकार / Government of India
 महात्मा गांधी राष्ट्रीय ग्रामीण शिक्षा परिषद / Mahatma Gandhi National Council of Rural Education
 उच्च शिक्षा विभाग/Department of Higher Education
 शिक्षा मंत्रालय / Ministry of Education

District Green Champion Certificate

This is to certify that *Dayalbagh Educational Institute (Deemed University)* is hereby recognized as ***District Green Champion*** for *Agra* District for the Academic Year 2020-21. The Institution has successfully set up the Swachhta Action Plan Committee, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

This certificate is given in the presence of ***Hon'ble Shri Bablu Kumar IPS, Senior Superintendent of Police.***

August 2021


Dr W G Prasanna Kumar
 Chairman
 MGNCRE, Ministry of Education
 Government of India

The Dayalbagh Educational Institute has been recognized as District Green Champion for Agra District for the Academic Year 2020-21 by the Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Govt. of India for successfully setting up the Swachhta Action Plan Committee, adopting and implementing best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management. A certificate to this effect was given in presence of Hon'ble Shri Bablu Kumar IPS, Senior Superintendent of Police on 19 September, 2021.

DEI and Stanford University step up Collaboration

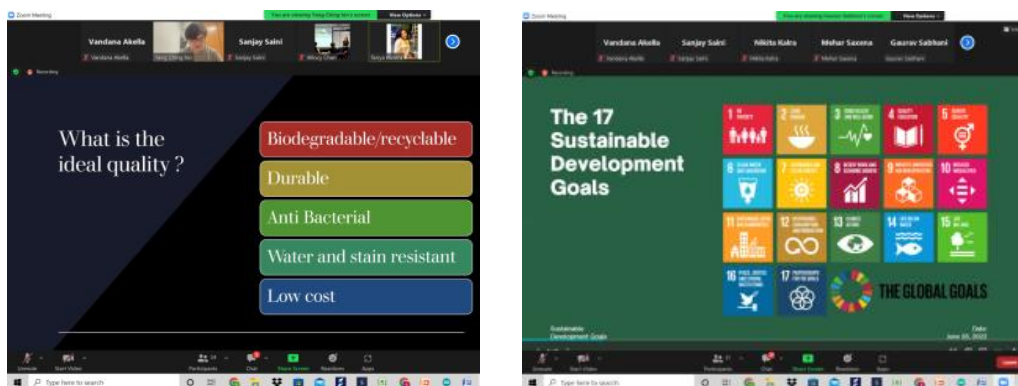
Dayalbagh Educational Institute is set to take a giant leap in its collaboration with the Prakash Lab in Department of Bioengineering at Stanford University. The lab is well-known for its curiosity-driven science- based frugal innovation, bringing science to every child's doorstep at an almost zero cost -

through what is now commonly known as *Jugaad* innovation. The lab has also made significant contributions in response to COVID-19 challenges.

One of the most widely known innovations from the Prakash Lab is a paper origami microscope (foldscope) that has been in use for DEI school students not only in Dayalbagh but also in the deep rural areas and tribal hinterlands, providing frequent opportunities for interaction with Stanford University's faculty, alumni and students. The young population at these remote locations, being able to practice hands-on science with their own scientific instrumentation are attracted towards Science, Technology, Engineering and Mathematics (STEM), and the use of scientific method in local problems such as those involving agriculture and dairying.

DEI also holds regular Foldscope and Frugal Innovation camps throughout the country, where students not only receive their personal portable frugal microscopes, but they also assemble their own microscopes (foldscoopes), to develop appreciation for the art of frugal innovation.

The DEI-HKU Online Summer Exchange Programme 2022



The Dayalbagh Educational Institute (DEI) and the University of Hong Kong (HKU) have collaboratively been organizing cultural and academic exchange experience since 2018. This year, considering the precautionary measures and travel restrictions due to the COVID-19 pandemic, the exchange was organized online for a duration of one month from May – June 2022.

The students selected for the exchange from both Universities were grouped into five teams with a faculty mentor assigned to each team. Each team worked on a joint project based on the global (especially Indian and Hong Kong) perspective to achieve various United Nations Sustainable Development Goals (UN SDGs). The teams worked on topics that included healthcare, education, circular economy, gender equality, and the comprehensive triple Sigma Q-V-A (qualities, values, and attributes) model.

In addition to the principal activities of research and presentations through social, cultural, and intellectual exchange, two workshops on digital storytelling and video production were also organized for the exchange programme students.

All the research work and project ideas presented by the students were remarkably appreciated by the audience and are being published on HKU's Common Core webpage. At the end of the exchange programme, Dr. Gray Kochhar-Lindgren, Director of the common core at HKU, wrote to the coordinating faculty from both Universities, "Congratulations to all of you for another very powerful cross-cultural exchange and learning experience! I very much appreciate the care you took with all of

the students and the fact that they now know more about the SDGs—and each other—than they did at the start of the project.”

DEI Students successfully complete collaborative coursework with Seneca College, Canada

Dayalbagh Educational Institute utilizes its strong technology infrastructure for interactive teaching-learning through multi-way videoconferencing. DEI students regularly participate in collaborative courses with Seneca College of Applied Arts and Technology, a multiple-campus public college located in the Greater Toronto Area of Ontario, Canada and one of the largest vocational education providers in the province. The DEI-Seneca partnership not only allows students from both institutions to study together in an extended classroom setting but also to work on joint projects.



During the 2021 winter term, fourteen students from DEI received certificates of achievement for successful completion of projects on “Computer Network Design” collaboratively with nineteen students from Seneca College as part of the course NET455 - Networking Essentials. Another six students from the DEI main campus and DEI forest tribal area campus in Rajaborari received certificates of participation for successful completion of projects on “Web and Video Publishing on the Internet” while working in inter- continental teams comprising six students from Seneca College as part of the course ICO155 – Introduction to Computers. The courses were supported by the faculty from both institutions.

Staff and Student Strength and Composition

Number of Teaching Faculty	
Teaching Staff	316
Assistant Professors	154
Associate Professors	20
Professors	81
Guest Faculty	42
Lecturer	18
Senior Lecturer	1
Non-Teaching Staff	
Total Non-Teaching Staff	293

A. NUMBER OF STUDENTS ENROLLED IN THE DEI CAMPUS (SESSION 2021-2022)

CATEGORY WISE STUDENTS' ENROLMENT IN UNIVERSITY DEPARTMENTS

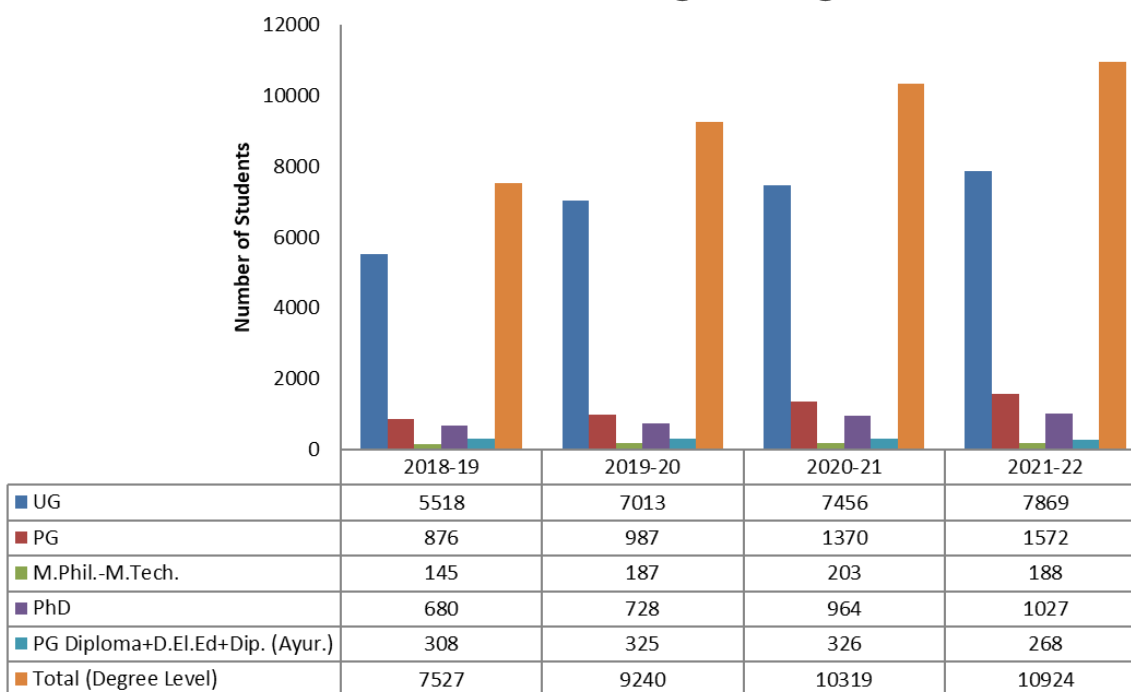
CATEGORY	1		U.G.	P.G.	M.PHIL.	M. TECH.	Ph.D	PG DIPLOMA	DIPLOMA	TOTAL
TOTAL STUDENT'S ENROLMENT	2	M	3719	957	22	32	731	78	80	5619
		W	3146	506	12	109	294	59	40	4166
		T	6865	1463	34	141	1025	137	120	9785
GENERAL	3	M	1599	454	16	17	429	48	36	2599
		W	1242	232	5	45	155	31	16	1726
		T	2841	686	21	62	584	79	52	4325
EWS	4	M	372	96	0	3	0	8	8	487
		W	315	51	0	11	0	6	4	387
		T	687	147	0	14	0	14	12	847
SC	5	M	595	151	2	6	104	3	18	879
		W	465	72	5	25	53	3	7	630
		T	1060	223	7	31	157	6	25	1509
ST	6	M	33	9	0	0	4	0	0	46
		W	49	4	0	3	2	0	0	58
		T	82	13	0	3	6	0	0	104
OBC	7	M	1120	247	4	6	194	19	18	1608
		W	1075	147	2	25	84	19	13	1365
		T	2195	394	6	31	278	38	31	2973
PH(PWD)	8	M	19	3	0	0	0	0	2	24
		W	23	9	0	0	0	0	1	33
		T	42	12	0	0	0	0	3	57
Minority (Muslim)	9	M	46	14	0	0	1	1	0	62
		W	39	6	0	0	1	0	0	46
		T	85	20	0	0	2	1	0	108
Other Minorities	10	M	251	86	3	0	6	3	5	354
		W	107	17	0	1	76	1	1	203
		T	358	103	3	1	82	4	6	557

B. UG & PG- Students Enrolment 2021-2022- Information Centres (Excluding ICTs)-Distance

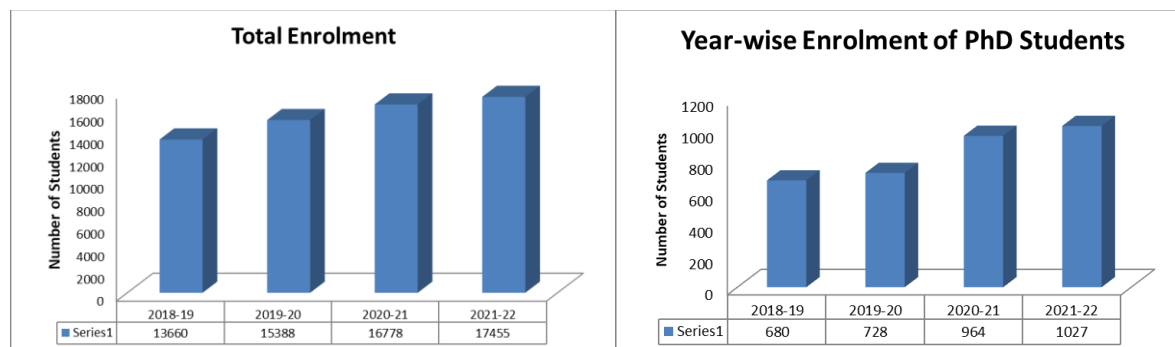
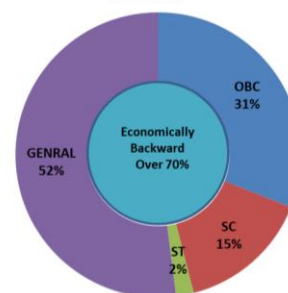
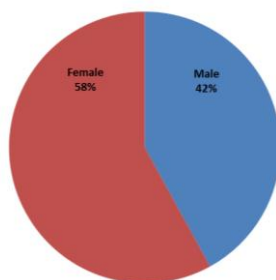
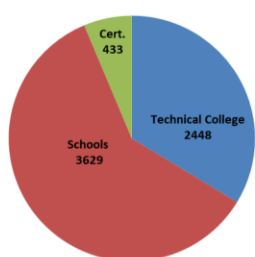
Category	Total		General		EWS		SC		ST		OBC		PH (PWD)		Minority (Muslim)		Minority (Other)	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
UG	242	251	119	116	24	25	26	31	17	6	56	73	1	0	1	4	23	14
PG	66	36	39	16	7	4	5	9	0	0	15	7	0	0	1	0	7	1
PG Diploma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certificate	217	374	82	111	22	38	25	55	0	11	88	159	0	8	3	4	20	27
Total	252	661	240	243	53	67	56	95	17	17	159	239	11	8	8	8	50	42

C. Students Registered in Technical College

Category	Total		General		EWS		SC		ST		OBC		PH (PWD)		Minority (Muslim)		Minority (Other)	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Diploma	445	1740	254	927	0	0	76	308	0	22	115	483	1	18	9	11	23	65

Students' Enrolment in the Degree Programs

Students' Enrolment in Non-University Programs 2021-22 **Gender-wise Students Enrolment in Degree Level Programs** **Category-wise Enrolment in Degree Level Programs 2021-22**



LIST OF STUDENTS (2021-22) RECEIVING MEDALS AT THE FORTIETH CONVOCATION

DIRECTOR'S MEDAL

For securing highest grade point in -		Roll No.	Name of the Student	CGPA
1.	High School Examination, 2021	1902106	APAR SARAN	9.98
2.	Intermediate Examination, 2021	1900074	ARZ TANEJA	9.96
For securing highest grade point in -				
3.	Technical Diploma Level Examinations, 2021	1804740	MANSI SINGHAL	9.60
4.	P.G.D.B.L.O.R. Examination, 2021	2003791	AKANSHA KAPOOR	9.14
5.	P.G.D.J.M.C. Examination, 2021	2005265	LALIT SIKARWAR	9.61
6.	P.G.D.T.D.P. Examination, 2021	2005291	MADHURI KUMARI	9.12
7.	P.G.D.Th. Examination, 2021	2005335	KANIKA KAYASTHA	9.90
8.	Diploma in Ayurveda (Up-Vaidya) Examination, 2021	1900412	BABLI KUMARI	9.41
9.	Diploma in Elementary Education Examination, 2021	1900717	KM. CHARUL BAGHEL	9.13
10.	P.G.D.C.S.A. Examination, 2021	2003741	AARYAN GUPTA	8.50
11.	P.G.D.B.E. Examination, 2021	2001916	MUSKAAN GUPTA	9.58
12.	P.G.D.U.P.M. Examination, 2021	2002533	SNEHA PIPPAL	9.45
13.	P.G.D.H.R.S.W. Examination, 2021	2004245	DEEPIKA CHAUDHARY	9.61
14.	P.G.D.S.H.E. Examination, 2021	2005771	BHARAT NIMESH	9.42
For securing highest grade point in CULTURAL EDUCATION & COMPARATIVE STUDY OF RELIGION in -				
15.	Diploma in Elementary Education Examination, 2021	1900717	KM. CHARUL BAGHEL	9.13
16.	Technical Diploma Level Examination, 2021	1804680	RAGHAV GARG	9.52
17.	B.A. Examination, 2021	1901314	DIVYANSHI THAKWANI	9.55
18.	B.Sc. (Home Science) Examination, 2021	1900606	JHANAK SHARMA	7.32
19.	B.F.A. Examination, 2021	1704414	EKTA YADAV	8.77

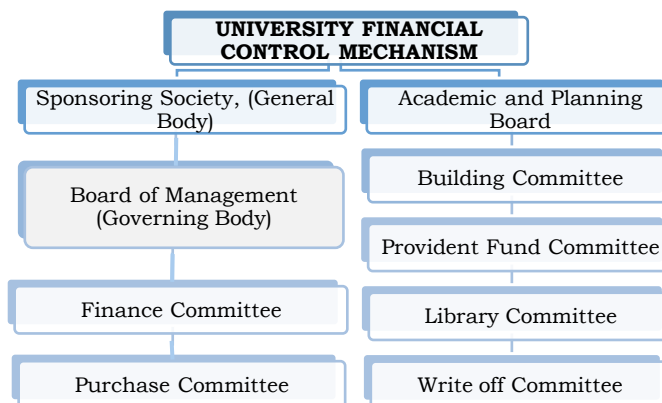
20.	B.Com. Examination, 2021	1950074	YUKTI JAIN	9.67
21.	B.Com. (Transdisciplinary) Examination, 2021	1906942	SAHIL GUPTA	7.59
22.	B.Com. (Corporate Accounting & Law) Examination, 2021	1901582	JYOTI KASHYAP	8.41
23.	B.Arch. Examination, 2021	164414	SURYANSH GUPTA	7.30
24.	B.Tech. Examination, 2021	166229	KAJAL JAIN	9.27
25.	B.Tech. (Part Time) in Electrical Engineering Examination, 2021	164299	YOGESH SINGH	7.61
26.	B.Sc. Examination, 2021	1904846	AMAN PRATAP SINGH	9.74
27.	B.Sc. Examination, 2021	1905024	TANU KAUR	9.74
28.	B.Sc. (Transdisciplinary) Examination, 2021	1906953	RITIK SAXENA	7.57
29.	B.Sc. Honours in Applied Botany Science Examination, 2021	1803688	AYUSHI SRIVASTAVA	9.40
30.	Integrated Dual Dip.-Degree Voc. Dip. In I.T. & B.Sc. Comp. Sc. Examination, 2021	1803411	HARSHITA SANGWANI	8.06
31.	B.B.A. Examination, 2021	1950350	HARDIK MUDGAL	9.11
32.	B.B.A. (Logistics) Examination, 2021	1902548	SHIVI SHARMA	9.42
33.	B.B.A. (Retail) Examination, 2021	1904346	HIMANSHU MULANI	8.97
34.	B.A. (Social Science) Examination, 2021	1903988	REET ARORA	9.51
35.	B.Voc. (Apparel Design) Examination, 2021	1802278	LAXMI SHARMA	8.96
36.	B.Voc. (Ceramic & Pottery Design) Examination, 2021	1805396	MANSI GUPTA	8.43
37.	B.Voc. (Commercial Art) Examination, 2021	1805427	DEEPALI MATHURIA	7.78
38.	B.Voc. (Food Processing) Examination, 2021	1802120	PRERNA YADAV	8.70
39.	B.Voc. (Textile) Examination, 2021	1802188	RENU KUMARI	8.93
40.	B.Voc. (Tourism & Hospitality Management) Examination, 2021	1805462	ANAM REHMAN	9.01
41.	B.Voc. (Accounting & Taxation) Examination, 2021	1806524	PRIYAL MAHESHWARI	9.25
42.	B.Voc. (Automobile) Examination, 2021	1805157	DHAKSHINESWAR M	8.63
43.	B.Voc. (Artificial Intelligence & Robotics) Examination, 2021	1806091	IQRA SAIFI	9.36
44.	B.Voc. (Digital Manufacturing) Examination, 2021	1805255	DEVANG GUPTA	9.18
45.	B.Voc. (Renewable Energy) Examination, 2021	1802999	ROHAN SHARMA	9.34
46.	B.Voc. (Water, Sanitation & Waste Management) Examination, 2021	1802481	KRISHNA YADAV	9.13
47.	B.Voc. (Agriculture Technology) Examination, 2021	1803840	SHRUTI SINHA	9.25
48.	B.Voc. (Dairy Technology) Examination, 2021	1803885	MADAN GOPAL	8.42
49.	B.Voc. (Greenhouse Technology) Examination, 2021	1806325	SHRESHTHA JADAUN	8.66
50.	B.Voc. (Internet of Things) Examination, 2021	1803778	KM. VIDHI GUPTA	8.33
51.	B.Voc. (Telematics) Examination, 2021	1804314	KEERTI KRISHNAN	9.38
52.	B.Voc. (Banking & Finance) Examination, 2021	1805669	SHRUTI GOEL	9.56
For securing highest grade point in -				
53.	B.A. Examination, 2021	1901314	DIVYANSHI THAKWANI	9.55
54.	B.Sc. (Home Science) Examination, 2021	1900605	HUDA REHMAN	8.60
55.	B.Com. Examination, 2021	1950074	YUKTI JAIN	9.67
56.	B.Com. (Transdisciplinary) Examination, 2021	1906941	AKASH VASHISTHA	7.80
57.	B.Com. (Corporate Accounting & Law) Examination,	1901583	KARTIK GUPTA	8.90

	2021			
58.	B.Ed. Examination, 2021	1902295	MONIKA MANGAL	9.25
59.	B.Arch. Examination, 2021	164393	DEEKSHA SHARMA	8.47
60.	B.Tech. in Civil Engineering Examination, 2021	1700639	GAURAV VERMA	9.35
61.	B.Tech. in Electrical Engineering (with Spl. Electronics) Examination, 2021	156475	ABHISHEK AGARWAL	9.35
62.	B.Tech. in Mechanical Engineering Examination, 2021	1700901	SIDDHARTH JAIN	9.34
63.	B.Tech. in Footwear Technology Examination, 2021	1700816	SONIKA AGARWAL	9.01
64.	B.Tech. (Part Time) in Electrical Engineering Examination, 2021	164299	YOGESH SINGH	7.61
65.	B.Sc. Examination, 2021	1904846	AMAN PRATAP SINGH	9.74
66.	B.Sc. Examination, 2021	1905024	TANU KAUR	9.74
67.	B.Sc. (Transdisciplinary) Examination, 2021	1906953	RITIK SAXENA	7.57
68.	Integrated Dual Dip.-Degree Voc. Dip. In I.T. & B.Sc. Comp. Sci. Examination, 2021	1803404	ASHISH VERMA	8.94
69.	B.B.A. Examination, 2021	1901721	SHEETAL SHARMA	9.56
70.	B.B.A. (Logistics) Examination, 2021	1902547	SANKALP MAHAJAN	9.43
71.	B.B.A. (Retail) Examination, 2021	1904377	YAKSHI GUPTA	9.03
72.	B.A. (Social Science) Examination, 2021	1903973	NIRAT SATSANGI	9.54
73.	B.A. Honours (Drawing & Painting) Examination, 2021	1801867	JYOTI SATSANGI	8.94
74.	B.A. Honours (English) Examination, 2021	1801833	ASTHA SHARMA	9.80
75.	B.A. Honours (Hindi) Examination, 2021	1801820	ANJALI	9.25
76.	B.A. Honours (Music) Examination, 2021	1801827	APRAJITA JHA	9.93
77.	B.A. Honours (Sanskrit) Examination, 2021	1801825	ANJALI YADAV	9.90
78.	B.F.A. Examination, 2021	1704414	EKTA YADAV	8.77
79.	B.Sc. Honours (Home Science) Examination, 2021	1801164	SHAGUN RAO	9.50
80.	B.Com. Honours Examination, 2021	1850045	DEVYANI SHARMA	9.33
81.	B.Com. Honours (Corporate Accounting & Law) Examination, 2021	1801052	ANSHIKA GOEL	9.10
82.	B.Sc. Honours in Applied Botany Science Examination, 2021	1803688	AYUSHI SRIVASTAVA	9.40
83.	B.Sc. Honours (Botany) Examination, 2021	1804041	KAUSHIKI UPADHYAY	9.92
84.	B.Sc. Honours (Chemistry) Examination, 2021	1804082	RHYTHM SHARMA	9.46
85.	B.Sc. Honours (Computer science) Examination. 2021	1804061	MITALI VARSHNEY	9.81
86.	B.Sc. Honours (Mathematics) Examination, 2021	1804039	KANHA BINDAL	9.95
87.	B.Sc. Honours (Physics) Examination, 2021	1804077	PRIYA KUMARI	9.46
88.	B.Sc. Honours (Zoology) Examination, 2021	1803972	AARTI NOTNANI	9.58
89.	B.B.A. Honours Examination, 2021	1805305	ANISHA SINGH	9.86
90.	B.A. Honours (Social Science) (Economics) Examination, 2021	1803105	PRIYANSHI AGARWAL	9.23
91.	B.A. Honours (Social Science) (Political Science) Examination, 2021	1801818	ANANYA SHARMA	9.80
92.	B.A. Honours (Social Science) (Psychology) Examination, 2021	1801859	HIMANSHI SOLANKI	9.65
93.	B.A. Honours (Social Science) (Sociology) Examination, 2021	1801990	YASHA GAUR	9.60
94.	B.A. Honours (Social Science) (Sociology) Examination,	1803083	MAHIMA YADAV	9.60

	2021			
95.	B.Voc. (Apparel Design) Examination, 2021	1802265	BHUMI SARSWAT	9.00
96.	B.Voc. (Ceramic & Pottery Design) Examination, 2021	1805400	PRIYANKA BHADAURIA	8.83
97.	B.Voc. (Commercial Art) Examination, 2021	1805438	NEHA JAIN	8.61
98.	B.Voc. (Food Processing) Examination, 2021	1802102	ANCHAL DUBEY	9.24
99.	B.Voc. (Textile) Examination, 2021	1802188	RENU KUMARI	8.93
100.	B.Voc. (Tourism & Hospitality Management) Examination, 2021	1805483	PARUL AGARWAL	9.32
101.	B.Voc. (Accounting & Taxation) Examination, 2021	1806562	YASHI GOYAL	9.31
102.	B.Voc. (Automobile) Examination, 2021	1805174	SANMUKH	9.18
103.	B.Voc. (Artificial Intelligence & Robotics) Examination, 2021	1806082	AYUSHI TRIPATHI	9.47
104.	B.Voc. (Digital Manufacturing) Examination, 2021	1805255	DEVANG GUPTA	9.18
105.	B.Voc. (Renewable Energy) Examination, 2021	1802995	RAUSHAN KUMAR	9.35
106.	B.Voc. (Water, Sanitation & Waste Management) Examination, 2021	1802481	KRISHNA YADAV	9.13
107.	B.Voc. (Agriculture Technology) Examination, 2021	1803819	MASOOMA RIZVI	9.38
108.	B.Voc. (Dairy Technology) Examination, 2021	1803891	PRAGATI BHADAURIA	9.08
109.	B.Voc. (Greenhouse Technology) Examination, 2021	1806290	ARYA SHARMA	9.07
110.	B.Voc. (Internet of Things) Examination, 2021	1803738	ARPITA CHATURVEDI	9.36
111.	B.Voc. (Telematics) Examination, 2021	1804314	KEERTI KRISHNAN	9.38
112.	B.Voc. (Banking & Finance) Examination, 2021	1805669	SHRUTI GOEL	9.56
113.	M.A. (Drawing & Painting) Examination, 2021	1900696	SIMRAN KAUR	9.24
114.	M.A. (English) Examination, 2021	1900779	PUSHPNEET KAUR	9.44
115.	M.A. (Hindi) Examination, 2021	1900796	CHANCHAL SAGAR	9.12
116.	M.A. (Music) Examination, 2021	1900822	ARCHA SRIVASTAVA	9.87
117.	M.A. (Sanskrit & Culture) Examination, 2021	1900843	NIHARIKA DHAKAR	9.65
118.	M.A. (Theology) Examination, 2021	1853584	PAWAN SOAMI	9.72
119.	M.Sc. (Home Science) Examination, 2021	1900851	AMOLA SRIVASTAVA	9.10
120.	M.Com. Examination, 2021	1901620	ISHIKA GUPTA	9.60
121.	M.Ed. Examination, 2021	1900979	DEEPTI YADAV	9.70
122.	M.Tech. (Engineering Systems) Examination, 2021	1906792	D UDAY	9.87
123.	M.Sc. (Botany) Examination, 2021	1902053	YASHASVI SINGH	9.44
124.	M.Sc. (Chemistry) Examination, 2021	1900445	SIMRAN BAMOLA	9.38
125.	M.Sc. (Computer Science) Examination, 2021	1900393	T. HARSH VARDHAN RAO	9.87
126.	M.Sc. (Mathematics) Examination, 2021	1901379	VISHAL SAMI	9.38
127.	M.Sc. (Physics with spl. in Electronics) Examination, 2021	1903786	SWARNIMA JAIN	9.82
128.	M.Sc. (Zoology) Examination, 2021	1903000	JIBI LUKOSE	9.42
129.	M.B.A. (Business Management) Examination, 2021	1805561	KRITIKA MALHOTRA	9.51
130.	M.B.A. (Agricultural Management) Examination, 2021	1902506	SEJAL GAUR	9.43
131.	M.B.A. (Waste Mngt. & Social Entrepreneurship) Examination, 2021	1906821	AKASH KUMAR	9.00
132.	M.A. (Social Science) (Applied Economics) Examination, 2021	1902744	RITIKA AGARWAL	9.61

133.	M.A. (Social Science) (Political Science) Examination, 2021	1902642	AKANSHA KAUSHAL	9.17
134.	M.A. (Social Science) (Psychology) Examination, 2021	1902675	SHREYA SINGAL	9.18
135.	M.A. (Social Science) (Sociology) Examination, 2021	1902722	SHEETAL	9.67
136.	M.Voc. (Apparel Design) Examination, 2021	1900873	AYASHA	9.54
137.	M.Voc. (Textile) Examination, 2021	1900952	KRATIKA KHANDELWAL	9.60
138.	M.Voc. (Food Processing) Examination, 2021	1900937	MAHAK ARORA	9.46
139.	M.Voc. (Renewable Energy) Examination, 2021	1903219	NATASHA SHARMA	9.08
140.	M.Voc. (Dairy Technology) Examination, 2021	1904420	PRITY MEHTA	9.60
141.	M.Phil. (Drawing & Painting) Examination, 2020	1906974	POONAM KUMARI	9.03
142.	M.Phil. (English) Examination, 2020	1906984	SUGANDHA KHERA	9.64
143.	M.Phil. (Hindi) Examination, 2020	1906693	POONAM BAGHEL	9.64
144.	M.Phil. (Music) Examination, 2020	1907011	ARTI GUPTA	9.89
145.	M.Phil. (Music) Examination, 2020	1907017	TANYA SINGH	9.89
146.	M.Phil. (Sanskrit) Examination, 2020	1907033	MEGHA JAIN	9.78
147.	M.Phil. (Theology) Examination, 2020	1907042	JEEWAN SHARMA JYOTI	9.84
148.	M.Phil. (Commerce) Examination, 2020	1907137	PALAK GUPTA	9.84
149.	M.Phil. (Education) Examination, 2021	2001077	YOGITA YADAV	8.55
150.	M.Phil. (Economics) Examination, 2020	1907072	NIRAT KAVIA	9.56
151.	M.Phil. (Management) Examination, 2020	1907152	ITI VERMA	9.48
152.	M.Phil. (Political Science) Examination, 2020	1907082	SAKSHI DIXIT	9.73
153.	M.Phil. (Sociology) Examination, 2020	1907107	KHUSHBOO	9.23
PRESIDENT'S MEDAL				
For securing highest grade point in -				
154.	All Undergraduate Examinations, 2021	1904061	MITALI VARSHNEY	9.74
155.	All Postgraduate Examinations, 2021	1907011	ARTI GUPTA	9.89
		1907017	TANYA SINGH	9.89
D.E.I. FOUNDER'S MEDAL				
156.	Best All-Rounder among the First Degree Students of the Institute Graduating in the Year 2021	-----	NFS	----

Institute Finance



a. Institute Funds

Institute Funds

Endowment Funds	<ul style="list-style-type: none"> • Diamond Jubilee Fund • Gold Medal Fund
Earmarked Funds	<ul style="list-style-type: none"> • Establishment (Pension Fund) • Solar Maintenance Fund
Other Funds	<ul style="list-style-type: none"> • Employees Welfare Fund • DEI Employees Credit & Thrift Society <p>Restricted Funds (Sundries)-AADEIs for Equipment and ICT Amritsar,</p>

Main Source of Income	
1	UGC- grant for (a) Capital Assets & (b) Revenue for Salary and Pension
2	UP Government for Salary& NSS
3	DST, MHRD, UGC, ICSSR, Ministry of Education, ISRO, MNRE, AICTE
4	Other sources of Income <ol style="list-style-type: none"> 1. Fees 2. Income from Interest 3. Contribution by Trust 4. Contribution by Alumni Associations

During the financial year 2021-2022 the Institute received Rs. 5575.00 for salary grant from UGC and Rs. 760.00 lakh for pension. The UP Government sanctioned a grant of Rs. 1917.00 lakhs as Regular

Salary and Rs.8.91 lakhs for NSS. The total income from institute sources amounted to be Rs. 925.65 lakhs.

The Unit Cost for the year 2021-22 without salary was Rs. 8,328/-

b. Research Projects

During the session 2021-22 the Institute received grants from various research projects worth Rs 649.69 lakh sponsored by DST, MHRD, UGC, ICSSR, Ministry of Steel, Ministry of Education, ISRO, MNRE, AICTE and Ministry of Tourism. A summary of the project funds is given below:

S. No.	Sanctioning Agency	Amount Sanctioned (in Lakhs)
1.	DST	240.54
2.	MHRD	67.11
3.	ICSSR	3.07
4.	ISRO	41.65
5.	AICTE	5.27
6.	MNRE	55.88
7.	Ministry of Tourism	0.94
8.	Ministry of Steel	47.87
9.	Ministry of Education	167.84
10.	UGC	16.52
Total		646.69

c. Fellowships and Scholarships

During the session 2021-22, 138 students received fellowships in form of JRF, SRF, PDF 1415 students received scholarship. A summary of the fellowships and scholarships is given below:

S. No.	Sanctioning Agency	No. of Students	Payment Mode
A.	Fellowship		
1.	UGC-NET, JRF	73	Web Portal
2.	Post-Doctoral Fellowship for SC & ST	2	Web Portal
3.	Maulana Azad Fellowship	4	Web Portal
4.	National Fellowship for SC & ST	13	Web Portal
5.	Swami Vivekanand Single Child Girl fellowship	1	Web Portal
6.	National Fellowship for OBC	14	Web Portal
7.	DST Inspire	4	PFMS
8.	CSIR	5	From Institute
9.	ICSSR	22	PFMS
	Total Fellowship	138	
B.	Scholarship		
10.	AICTE (Other State)	1	From Institute
11.	UP Government	1414	DBT
12.	Total Scholarship	1415	

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.

Programmes Offered by The Faculty

- Undergraduate: B.A. Honours (Arts/Fine Arts)/ B.Sc. Honours (Home Science), B.F.A., B.Voc. (AD), B.Voc. (FP&P)
- Post Graduate: M.A., M.Sc. (Home Science), M.Voc. (AD), M.Voc. (FP&P)
- M.Phil. & PhD: in all six subjects
- PG Diploma Courses: PGDT, PGDJMC, PGDDFM and PGDTDP
- Integrated course in Theology: PGDTDC – M.A. - M.Phil.
- Modular Courses: Vyavasayik Hindi, Creative Writing, Translation, Traditional Indian Miniature Painting, Folk Songs of India, Repair and Maintenance of Musical Instruments, Gayaki of Agra Gharana, Photography & Photo Journalism, Block Printing.

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. It offers B.A. two-year course with Drawing & Painting as major subject in combination with one more subject, B.A. (Hons.) Drawing & Painting, B.F.A. with 3 specializations, B. Voc. in Textiles, Ceramic & Pottery, Commercial Art and Recycled craft design 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 Graphics Lab, Miniature Lab, Textile designing and Textile Printing Laboratories, Digital Laboratory, Sculpture Laboratory that are equipped with high end tools for fine art specialization like i-Mac Systems, Digital Camera, Pen Tablet i-ball, Plasma TVs, Video Equipment, Lithography Machine, Pottery Wheels, Ball mill, Pot mill, Pug mill, Gas Furnace, Electric furnace for Ceramics Design.

Seminar/Symposia/Conference Organized

- National Sculpture Camp was organised from 21-30 December, 2021.
- An annual Art Exhibition "RANGAWALI-2022" was organized by Department of Drawing and Painting on 19-20 April, 2021 which was inaugurated by Mr Vikas Kumar, IPS, SP City, Agra.

Publications

- Thakur M., 2021, A Historical overview of Calligraphy Art, Shodh Sanchar Bulletin, 2 (41), 61-65, ISSN-2229-3620.

- Thakur M., 2022, Ancient Terracotta Art of Bengal-a living tradition, Shikshan Sanshodhan Journal of Arts, Humanities and Social Science, 5(4), 5-8, ISSN-2581-6241.
- Thakur M., 2022, Religious Symbolism in the works of graphic artist- Narendra Srivastava Shodhkosh Journal of Visual and Performing Arts, 3 (1), 187-193, ISSN 2582-7472.

Participation in Conference/ Workshops/ Seminar/Symposia/ Webinar

- Dr Vijaya Kumar participated in the online Refresher Course in Visual arts and Painting from-7-19 March 2022, organized by UGC- HRDC- Himachal Pradesh University, Shimla.

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 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.

Activities

Annual Drama Festival (Joint Venture of English, Hindi and Sanskrit Department): The Annual Drama Festival was jointly organized by the English, Hindi and Sanskrit departments, Faculty of Arts, DEI from 18-20 April 2022. This year this drama competition was divided into two phases: Phase-1, Screening cum Selection and Phase-2, Final Presentations. During the first phase, sixteen entries were received. Out of these, four plays were in the English language, two in the Sanskrit language and ten in the Hindi language. Two entries were from outside DEI and the remaining were from various Faculties of DEI, DEI Technical College and DEI Prem Vidyalaya Girls' Intermediate College. The students displayed laudable prowess in all segments of dramatics and showcased tremendous zeal while aiming to reach the final stage of the competition. Finally, after three days of the screening process, six plays, two in each of the three languages, were chosen by the panel of two judges for the final competition. From 18-20 April, two plays each day were performed at the Convocation Hall of the institute, where amidst an impressive gathering of Guests, Faculty and Students, a gala of dramatic performances was presented with utmost dexterity and creative acumen. The audience was offered a wonderful mix of plays based on the Indian and the Greek Mythology as well as Fairy Tales. Dr. Priyam Ankit, Associate Professor (English), Agra College, Dr. Vijay Sharma, a reputed theatre artist and Dr. Chaganlal Sharma, HOD, Dept. of Sanskrit, RBS College, Agra, formed the panel of judges. Shri Satyajeet Gupta (IPS), SP, Agra (West), was the Chief Guest of the event, who gave away the prizes to the winners of the competition.

Publications

- Singh S., (2022). Savage Justice Eroding Feminism in Mahasweta Devi's Mother of 1084 and Draupadi, *International Journal of English and Studies (IJOES)*, 4 (3), 111-113, ISSN: 2581-8333.
- Singh S., (2022). Patterns of Resistance in Mahasweta Devi's "The Why-Why Girl", "Arjun" and "Draupadi", *International Journal of English Language, Literature and Translation Studies (IJELR)*, 9 (2), 116-119, ISSN: 2349-9451.
- Singh S., (2021). The Interface between Literature, Psychology and Life, *AL-SHODHANA: A Multi-Disciplinary Refereed Research Journal*, 9, 16-25, ISSN: 2320 – 6292.
- Singh S., (2021). A Plea for Preservation of Identity in Temsula Ao's Blood of Others, *Langlit: An International Peer-reviewed Journal*, 8 (1), 161-165, ISSN 2349-5189.
- Singh S., (2021). The Matrix of Indian Culture, Literature and Language: Decrypting Karnad's Dramatic World, *Langlit: An International Peer-reviewed Journal*, 8 (2), 63-67, ISSN 2349-5189.
- Srivastava S., (2021). An Exemplary Peregrination: An Amaze ball from Blackball, *Proceedings of National Virtual Conference on Voicing the Voiceless: The Subaltern in Indian Writing in English*, 178, ISBN 978-81-951315-3-2.
- Srivastava S., (2021). Mirza's *A Place for Us: A Mellifluous Aide-Memoire of "The Ache for Home lives in all of us"—Maya Angelou*, Online Publication by *Bodhi International Journal of Research in Humanities, Arts and Science an Online, Peer-Reviewed, Refereed and Quarterly Journal*, 6 (1), 156, E-ISSN:2456-5571.

Participation in Conference/Workshops/Seminar/Symposia/ Webinar

- Dr. Sonal Singh, participated in Two-Day Faculty Development Programme on "Academic Publications and Research Funding Opportunities" from 25-26 March, 2022, organized by School of Science and Humanities, Bharat Institute of Higher Education and Research (BIST) (Deemed to be University), Chennai.
- Dr. Namita Bhatia, participated in Two-week online Refresher course in "English Studies Re-energising Research: Interdisciplinary & Transcultural approaches to Indian literature" from 1-14 August, 2022, organized by Ramanujan College, University of Delhi.
- Dr. Shashi Srivastava participated in 5-Day AICTE Training and Learning (ATAL) Faculty Development Programme on "Strategies to Enhance Potential through Capacity Building among Teaching Fraternity" organized by DEI, Agra from 23-27 November, 2022. She also presented a paper entitled "A Swivel of Culture through Cine-Lit (with reference to Rajendra Singh's Novella) in International Conference on "Cultural Unification through Literature and Language, organized by Faculty of Media Studies & Humanities, Department of English, Manav Rachna International Institute of Research and Studies from 28-29 January, 2022.

Department of Hindi

The Department of Hindi offers various languages lab courses on हिन्दी भाषा एवं साहित्य. An optional two semester work experience certificate course is offered for the honours students in जनसंचार एवं पत्रकारिता. At the post graduate level, it also offers courses on अनुवाद विज्ञान and ब्रजभाषा and several electives like प्रेमचंद, निराला, मुक्तिबोध, समकालीन हिन्दी विमर्श, समकालीन हिन्दी कविता, स्त्री विमर्श, दलित विमर्श, सन्त साहित्य और हिन्दी नाटक. The thrust areas of research are हिन्दी काव्य, हिन्दी गद्य, काव्य शास्त्र एवं आलोचना।

Seminar/Symposia/Conference/Webinar Organized

- कथासम्राट का एक विमर्शी पाठ 31 July, 2021.
- प्रेमचंद स्मृति आयोजन 8-9 October, 2021.
- आदिवासी संस्कृति, इतिहास और दर्शन वक्ता: श्रीरणेन्द्र, निदेशक रामदयाल मुंडा आदिवासी शोध संस्थान रांची प्रेमचंद की कहानी 'शतरंज के खिलाड़ी' का नाट्यमंचन, 8 April, 2022.
- राष्ट्रीय संगोष्ठी, ब्रज भाषा साहित्य में लोक रक्षक राम के विविध स्वरूप हिंदुस्तानी एकदमी इलाहाबाद और डी ई आई के ई-संयुक्त तत्वधान में आयोजित की गई जिसकी संयोजिका डॉ रंजना पाण्डेय थी, 25-26 October, 2021.
- रज़ाशती आयोजन तीन दिवसीय राष्ट्रीय संगोष्ठी, 5-7 December, 2021.

Activities

दयालबाग एजुकेशनल इन्स्टीट्यूट डीम्ड यूनिवर्सिटी आगरा में 18 अप्रैल से 20 अप्रैल तक तीन दिवसीय वार्षिक नाट्य महोत्सव का शुभारंभ हुआ, जिसका संयोजन - डॉ दयाल प्यारी सिन्हा, डॉ सोनल, डॉ नंदिनी द्वारा किया गया। महोत्सव के पहले दिन इन्स्टीट्यूट के कला संकाय के विद्यार्थियों द्वारा 'द विजार्ड ऑफ ओज: एन अडैप्टेशन' (अंग्रेजी) एवं इंजीनियरिंग संकाय के विद्यार्थियों द्वारा 'ययाति' (हिन्दी) नाटक का मंचन किया गया। इन्स्टीट्यूट के दीक्षांत सभागार में आयोजित तीनों दिन हुए नाट्य महोत्सव में निर्णायक के रूप में रंगमंच के हस्ताक्षर डॉ. विजय शर्मा, आगरा कॉलेज के अंग्रेजी विभाग के प्रोफेसर डॉ. प्रियम अंकित और आर. बी. एस. कॉलेज के संस्कृत विभाग के अध्यक्ष डॉ. छगनलाल शर्मा की उपस्थिति उल्लेखनीय रही।

Publications

- शर्मिला सक्सेना, २०२१, भाग्य पर नहीं परिश्रम पर विश्वास करें, दृष्टिकोण पत्रिका, पृष्ठ -२८३९-२८४१।
- नमस्या, २०२१, स्त्री मन के विश्लेषक -गिरीश कर्नाड, दृष्टिकोण पत्रिका, पृष्ठ -२८२८।
- रंजना पाण्डेय, २०२१, मनुष्य के महत्त्व की कथा, शब्द शिखर पत्रिका, आई. एस. एस. एन. 0976-5719।
- शर्मिला सक्सेना, २०२१, शोध पत्र दृश्य से अदृश्य का सफ़र में व्यक्त मनोवैज्ञानिकता, दृष्टिकोण पत्रिका, अंक-२, पृष्ठ -१९-२२।
- नमस्या, २०२१, शोध पत्र मलखान सिंह के काव्य में प्रतिरोध के स्वर, शोधदिशा पत्रिका, आई. एस. एस. एन-०९७५ -७३५, अंक-५६, पृष्ठ-३३१-३३९।
- सुमन शर्मा, २०२१, शोध पत्र बृज भाषा की काल जाई रचना उद्भव शतक : भाव एवं भाषा, शोधदिशा पत्रिका, आई. एस. एस. एन-०९७५ -७३५, अंक-५६, पृष्ठ-२७१-२७६।

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 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, Children with special needs, Development across the life span and family studies. The department has signed a MOU with Department of Biotechnology in connection with a foldscope 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. A Diet Counselling Cell was established by the department to provide nutritional guidance.

New Facilities Created

- A Diet Counselling Cell was established to provide nutritional guidance.

Seminar/Symposia/Conference/Webinar Organized

- A 5-Day Faculty development Programme under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme was organized in online mode on the theme “Strategies to Enhance Potential Through Capacity Building among Teaching Fraternity” from 23-27 November, 2021.
- A 5-Day Faculty development Programme under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme was organized in online mode on the theme “Sustainability and Quality Management in Apparel Industry” from 07-11 December, 2021.

Staff Achievements/Recognitions

- Madhulika Gautam received Women Scientist Award from Scientific Educational Research Society Meerut in Innovative Approaches in Applied Sciences and Technology Conference jointly organized by Scientific Educational Research Society Meerut 250004 India and Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India, on 03-05 Dec, 2021. She also secured 2nd Rank in the oral presentation of research paper entitled as “Pre maternal services availed by ICDS beneficiary and non-beneficiary women of Agra District” presented at an international conference Innovative Approaches in Applied Sciences and Technology held on 3-5 December, 2021, organized by Scientific Educational Research Society Meerut 250004 India and Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India. She also co-chaired a session of International Conference entitled as “Innovative Approaches in Applied Sciences and Technologies” Scientific Educational Research Society Meerut 250004 India and Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India on 3-5 December, 2021.
- Richa Verma made Exceptional contribution as a Primary Evaluator in Toycathon: A Toycathon 2021 is an inter-ministerial initiative of the Ministry of Education’s Innovation Cell and the All-India Council for Technical Education along with the Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting.
- Sangita Saini participated as resource person in 5-Day Faculty development Programme under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme in online mode on the theme “Sustainability and Quality Management in Apparel Industry” from 07-11 December, 2021. She also participated as resource person in 5-Day Faculty development Programme

under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme in online mode on the theme “Sustainability and Quality Management in Apparel Industry” from 07-11 December, 2021. She also participated and completed the task of restructuring the UG level Home Science Syllabus to align it with National Education Policy

- Richa Verma was invited as an expert and delivered a guest lecture on the topic “Adhunik Parivesh Mein Parivaar Ki Bhumika Evam Mahatav” organized by Institute of Home Science, Dr. B.R. Ambedkar University, Agra on 13th May 2022. She also contributed as resource person and delivered an informative session titled "Video conferencing Tools / Utility / Modalities and Management of Digital Classroom" on 16th December 2021 during AICTE-ISTE Online Induction/Refresher Programme held from 15-21 December, 2021 organized by Department of Computer Science and Engineering, B.V.V.S. Polytechnic (Autonomous), Bagalkot, Department of Collegiate and Technical Education, Bengaluru, Government of Karnataka. She also contributed as resource person in 5-Day Faculty development Programme under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme in online mode on the theme “Strategies to Enhance Potential Through Capacity Building among Teaching Fraternity” from 23-27 November, 2021. She has also delivered a lecture in National Level Webinar on “Intellectual Property Rights” on 26th April, 2021 organized by IQAC and Department of Library, Smt. Radhadevi Goeneka College for Women, Akola, Maharashtra.
- Pallavi Lakhchaura contributed as resource person in 5-Day Faculty development Programme under ICTE Training and Learning (ATAL) Academy, Govt. of India Programme in online mode on the theme “Sustainability and Quality Management in Apparel Industry” from 07-11 December, 2021.

Participation in Seminar/Symposia/Workshop/Conference

- Madhulika Gautam presented research paper entitled “Pre maternal services availed by ICDS beneficiary and non-beneficiary women of Agra District” in International conference on Innovative Approaches in Applied Sciences and Technology organized by Educational Research Society Meerut 250004 India and Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India on 03-05 December, 2021. She also presented research paper entitled as “Assessment of Maturity of Vocational Attitude among Senior Secondary School Students in Agra District” in International conference on Innovative Approaches in Applied Sciences and Technology organized by Educational Research Society Meerut 250004 India and Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India on 03-05 December, 2021.

Publications

- Kumar, I. & Gautam, M. 2022. Correlation between individual Dietary Diversity Score and Nutrients Adequacy Ratio in the Rural Community. The Indian journal of Nutrition and Dietetics, 59 (1), 105-113.
- Kumar, I. & Gautam, M. 2022. Enhance Nutritive Value through Dietary Diversity in the Rural Area of Utter Pradesh. Indian Journal of Extension Education, 22(2), 37-41.
- Kumar, I. & Gautam, M. 2022. Determinants of Dietary Diversity Score for the Rural Households of Utter Pradesh State. International Journal of Food, Nutrition and dietetics. 10 (1); 9-16.
- Gautam, M., Kumari, B. & Pooja. 2022. Role of Social-Media for Awareness regarding Prevention and Control of Covid -19 Pandemic. The Indian Journal of Home Science, 34 (1); 38-42.
- Shakya, A. & Swami, C. 2021. Designing for Khadi Kurtis inspired from Mughal silhouettes for contemporary women wear, International Journal of Home Science, 6(2), 1-7.
- Shakya, A. & Swami, C. 2021. Sustainable Product Development through Creative Up-Cycling of Fabric Waste, International Journal of Textile and Fashion Technology (IJTFT), 11(2), 39-48.

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- Shakya, A. & Swami, C. 2021. Disposal Behaviors and Practices of Post-Consumer Apparel Waste, *Journal of Emerging Technologies and Innovative Research*, 8(8), 117-124.
 - Gautam, M. 2021. Assessment of Maturity of Vocational Attitude among Senior Secondary School students in Agra District. *Indian Journal of Extension Education*, 57(2); 216-218.
 - Charul Chaudhary, Aneeta Khatak, Raj Bala Grewal and Rakesh Gehlot. 2021. Development of value added Ready-to-Cook (RTC) convenient mix by using barley, oat and Flaxseeds. *The Pharma Innovation Journal*. 10(1); 228-231.
 - Aneeta Khatak, Charul Chaudhary and Raj Bala Grewal. 2021. Evaluation of anti-nutrient and mineral content in different pearl millet varieties. *The Pharma Innovation Journal*, 10(2); 660-664.
 - Gautam, P & Verma, R. 2021. De-identifying from Siblings: Leading to the End of Cain Complex. *RESEARCH REVIEW International Journal of Multidisciplinary*. 53-55.
 - Madan, S., Verma R., Mathur G., 2021 “Junk Food Consumption Pattern by Undergraduate Students of Dayalbagh Educational Institute, Agra.” *Indian Journal of Public Health Research & Development*, 241-246.
 - Madan, S., Verma R., Mathur G., 2021. Knowledge and practices of oral hygiene among undergraduate students of dayalbagh educational institute, Agra. *Indian Journal of Dental Sciences*, 93-97.
 - Srivastava, A. and Verma, R. 2021. Understanding Emotional Roots of Human Immune System. *Virology & Immunology Journal*, 5(2); 1-5.
 - Lakhchaura, P. and Gahlot, M. (2021). A study on comfort properties of oak Tasar silk waste and acrylic blended fabrics. *Journal of Applied and Natural Science*, 13(2), 476 - 481.
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Faculty of Commerce

As a part of erstwhile REI Degree College, Commerce faculty has the honour of being the oldest faculty of Dayalbagh Educational Institute (Deemed University). 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.) in different parts of the country including some remote tribal areas through the Open and Synchronous Learning program of the Institute. 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 work. The latest curriculum design was introduced through the National Workshop on Commerce Curriculum in Changing Scenario organized by the faculty in the month of March 2008. 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.) 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. The faculty comprehensively focuses on research in the areas of Macro Economic Analysis, International Trade, Financial Reporting practices, Accounting Standards and Corporate Governance. Three major research projects have been sanctioned by UGC and some more proposals are submitted for approval. In the time to come, Commerce faculty will continue to move on consistent growth path and provide the updated theoretical and practical knowledge to its students and scholars.

Programmes offered by the faculty are:

- B.Com. (Hons.) (Jointly with Dept. of Applied Business Economics)
- B.Com. (Corporate Accounting and Law)
- B. Voc. Accounting and Taxation
- B.Com. (Hons) (Transdisciplinary)(jointly with Dept. of Applied Business Economics)
- M.Com. (General) (jointly with Dept. of Applied Business Economics)
- M.Com.(International Business) (jointly with Dept. of Applied Business Economics)
- Ph.D.

The nucleus of Commerce Education is the accounting and financial analysis & reporting and modelling of real-life decision situations. Department of Accountancy & Law and Department of Business Administration cater to this ever-growing area under the aegis of Faculty of Commerce⁴. The department offers

- B.Com. (Hons)
- B.Com. (Hons) (Corporate Accounting and Law)
- B.Com. (Hons) (Transdisciplinary)
- B. Voc. (Accounting and Taxation)
- M.Com (General)
- M.Com. (International Business)
- M.Com. (Corporate Accounting and Law) and
- Ph.D.

Department is contributing significantly to impart most up-to-date and quality education to its students. 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. The highly innovative value-based education system of the institute and well qualified, dedicated faculty members of the department attract meritorious and knowledge seeking students from all over the country. 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. Students also enjoy a distinct advantage in the matter of employment in government and many reputed corporate organisations and a good number of them are offered positions through campus recruitment, even before their results are declared.

Different forums and learning resources of the institute, such as, Institute-Industry Participation Cell (IIPC), DEI Alumni Placement Assistance Cell (DEIAPAC), DEI Computer Centre, Faculty Library, DEI Central Library, DEI Multimedia Centre, University Scientific Instrumentation Centre (USIC), INFLIBNET, PROWESS, PROQUEST database, and statistical software's (e.g., SPSS, STATA) etc. facilitate the placement and personality development programs for the benefit of the students. Over a period of time, Faculty Training and Placement Cell has made remarkable achievements in terms of on/ off-campus placement of students in the companies of high repute. The students of the department have been performing remarkably well in all spheres of life. They have won many prestigious scholarships including UGC JRF. They 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 faculty places high degree of importance to research activities as well. So far, 45 Ph.D. have been successfully completed in the department and 68 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. 16 Research Scholars of the department are qualified JRF, 24 have qualified UGC-NET and 10 research scholars have been awarded the Rajiv Gandhi Fellowship. Alumni of the department are placed in Multinational Corporations, placed at higher positions abroad, are rank holders in Chartered Accountant Examinations, Company Secretaries Examinations and other Competitive Examinations.

Department of Accountancy and Law

Students Achievements/ Awards

- Shikha kannojia was awarded ICSSR Doctoral Fellowship in year 2021-22 by ICSSR.
- Ayushman was awarded ICSSR Doctoral Fellowship in year 2021-22 by ICSSR and qualified NET Exam in year 2021.
- Kajol Verma qualified NET exam in year 2021.
- Ruchi and Mohit Bansal qualified state government examination in year 2021.

Workshops/Conferences/Seminars/Webinars Attended

- Sanil Kumar presented on "An Empirical Evaluation of Value Relevance of Accounting Information for Selected Pharmaceutical Companies in India" at International Doctoral Research E-Conference 2021 on. He also presented on 'A study of foreign direct investment and its impact on GDP and foreign exchange reserve' at National Multidisciplinary E-conference on 'Challenges and Changing Role of Business and Industry During New Normal'.
- Rakesh Kumar presented on an analytical study of Pre- and Post- covid 19 impacts of FII's investment on the Indian stock market with special reference to NSE and BSE at National

Multidisciplinary E-conference on 'Challenges and Changing Role of Business and Industry During New Normal. He also presented on 'A study of national mission on financial inclusion in India' at 3rd international finance conference 2022 centre of management studies. He also presented on 'volatility in stock prices of print media companies around general elections in India' at 3rd international finance conference 2022 centre of management studies. He also presented on 'Integration of developed countries stock market with Indian stock market special reference with healthcare sector' at 3rd international finance conference 2022 centre of management studies.

Placements

- Preeti Singh from Bachelors of Commerce got placed in Silverskill at a package of Rs 2,64,000.
- Ruchi graduated from Ph.D. got placed in N.M.S.N. Dass P.G College at a package of Rs 9,36,000.
- Mohit Bansal graduated from Ph.D. got placed in Mahatma Gandhi Memorial Inter College, Jalesar, Etah at package of Rs 7,60,000.

Publication

- Kumar, S., 2021, A Comparative Study of Segment Reporting Disclosure Practices of Selected Information Technologies Companies in India, Pramana Research Journal, 2249-2976.
- Kumar R., 2021, Weak form of market efficiency of Indian Stock market: Evidence from metal and mining sectors, Journal- Pacific Business Review.
- Kumar, P., 2021, Banking Fraud and its Preventive and Detective Mechanism in Indian prospective, The Management Accountant.

Books/Encyclopedias

- Kumar, R., 2021, Corporate Sustainability with Green Accounting Corporate Social & Environmental Reporting 1, 978-93-88361-52-1.
- Kumar, S., 2021, A Study on GRI Sustainability Reporting Practices of Information Technology Companies of India, Corporate Social & Environmental Reporting, 1, 78-92, 978-93-88361-52-1.

Department of Applied Business Economics

Faculty/Staff Achievements/ Awards/ Faculty Development Programme

- Bhawna Johri Participated and obtained 'A' grade in Online Interdisciplinary Two-Week Refresher Course on Managing Online Classes and Co-creating MOOCs 13.0 from 06-20 April, 2022. Organized by Teaching Learning Centre, Ramaujan College, University of Delhi Under Aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching. She also Participated and obtained 'A' grade in Online Interdisciplinary Two-Week Refresher Course on Commerce and Management from 27 May – 09 June, 2022. Organized by Teaching Learning Centre, Ramaujan College, University of Delhi Under Aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

Workshops/Conferences/Seminars/Webinars Organized

- Department of Applied Business Economics faculty of commerce Organized Seven Days National Workshop on Research Methodology For social sciences (Online Mode) from July 03-09, 2021.

- One-day national webinar on "Role of research & publication ethics in Academia" organized by the faculty of commerce & management (28 August 2021).
- Swami Prasad Saxena presented a research paper entitled Macroeconomic impact of debt on economic growth of India, Changing Global Economic Landscape: Sustainable Strategies for the New Normal from 23rd – 25th March 2022, organized by Department of Commerce, CHRIST (Deemed to be University), India in collaboration with The Institute of Management Accountants (IMA), USA.

Publications

- Singh V. & Saxena S. P., 2022, Causal analysis of the relationship among inflation, interest rate and exchange rate: Evidence from India, *International Journal of Foreign Trade and International Business*, 4 (2), ISSN: 2663-3140, e-ISSN: 2663-3159, <https://doi.org/10.33545/26633140.2022.v4.i2a.76>
- Gupta V. & Saxena S. P., 2022, Assessment of economic impact of the prospective India – GCC FTA: A partial equilibrium simulation analysis, *Focus: Journal of International Business*, 9(1), ISSN 2347-4459; e-ISSN: 2395-258X, <https://www.journalpressindia.com/focus-journal-of-international-business/doi/10.17492/jpi.focus.v9i1.912201>.
- Saxena S. P. & Fouzdar A. S., 2021, The fiscal and monetary federalism in India during Covid-19. *Journal of Chengdu University of Technology (Science & Technology Edition)*, 26 (9), ISSN 1671-9727. <https://app.box.com/s/w23m504ivyghlpw23ym838kcpxt8j1k6>.
- Saxena S. P. & Gupta V., 2021, Does exchange rates volatility matters? A study on India's exports to US: An Application of Bound Testing Approach, *arthavijnana*, 63 (2), ISSN 0971-586X, <http://www.ischolar.in/index.php/arthavij>.
- Singh K., 2021, financial inclusion: A Comparative Study of Uttar Pradesh, Madhya Pradesh and Rajasthan, *Gis Science Journal*, 8 (7), 1055-80, ISSN NO: 1869-9391.
- Singh K., financial inclusion: a tool for Resurgence of Economically Deprived Society' *Asian Journal of Multidisciplinary Research & Review (AJMRR)*, 2 (5), ISSN 2582 8088.
- Singh K., 2021, Sustainable Entrepreneurship - first generation v/s on- going generation, *journal- aegaeum journal* 9 (3), 168-182, ISSN: 0776-3808, <http://aegaeum.com/>.
- Yadav A., 2021, Impact of Social Media's User Generated Content on Customer Buying Behavior, *The International journal of analytical and experimental modal analysis*, 13 (6), 1787-1811, ISSN NO:0886-93679367.
- Johri B., Gautam D., Bansal N., 2022, A study on the Performance of Banking sector in Development of the women Entrepreneurship, *International Research Journal of Commerce Arts and Science*, 13, ISBN/ISSN No.: 2319-9202(O).

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 offers UG/PG/MPhil/PhD 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 has been granted the status of School of Education under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, MHRD (GoI) in Feb 2019. The faculty has two departments Dept. of Foundations of Education and Dept. of Pedagogical Sciences. Dept. of Foundations of Education aims at preparing teachers with strong psychological, philosophical & sociological basis who can contribute as Nation Builders in the preparation of Strong, dedicated, young and intellectual society. This department aims for the holistic development of teacher educators who can bring up a major change in the society as a role model. The department of Pedagogical sciences considers it a sacred duty to maintain standards of academic excellence, to provide appropriate programmes, services and technology in consonance with the lofty aims of the educational policy of the Institute and serve as a centre of excellence for life-long learning.

Thrust Areas of Research

- Artificial intelligence in Education
- Inclusive Education
- Performing Arts
- Gamification in Education
- Art integration in Education
- Brain based learning
- Emerging technology in Education

Achievements

- The Faculty of Education initiated an online and upgraded version of DEI FOERAA, Annual Issue 2021.
- School of Education, Faculty of Education acquired 3 copy rights and 10 ISBNs for e-content development for Teachers.
- 6 Interdisciplinary research projects were conducted Under School of Education, FOE under both Centres (Centre for Artificial Intelligence in Education, CKART and Centre for Knowledge Acquisition, Retention & Transformation, CKART).
- Mr. Bajarang Bhushan, Dr. Neha Jain, Mrs. R. Jeyam, Dr. Neetu Singh, Dr. Anjana Verma, Dr. Jyotika Kharbanda, Dr. Parul Khanna, Dr. Shweta Agarwal are currently working on Five Institute Level Projects.

Invited Talks and Session Chair

- Prof. Sona Ahuja was invited to deliver talk on Implementation Strategies for Inclusivity: DEI Model on 26th July, 2021 in webinar series of UNESCO and AIU,

theme - Inclusivity, Equality and Equity in Diverse Population in the Education Sector. She was also invited as a Lead Speaker for Webinar on Scholar's Mosaic 2021 Annual Young Researchers' Meet 17-19 July, 2021 organized by Department of Education (CASE, IASE & IUCTE), Faculty of Education & Psychology, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat where she delivered a talk on Research Ethics on 18th July, 2021. She was invited as a Resource Person for Online Session on Surat-Shabd-Yoga Meditation and Executive Functions in 'International Webinar on Yoga, Meditation for the Rehab & Wellbeing of Persons with Disabilities' organized by Deva International Society for Child Care on International Yoga Day, 20th June, 2021 and as a Resource Person for online sessions on Publication Ethics: Identification, Violation, Complaints & Appeals organized by Indian Institute of Teacher Education, Gandhinagar, 20th May, 2021.

- Dr. Neha Jain was a resource person in National webinar on Effect of COVID 19 on Teacher Education organized by Anand College of Education, Keetham Agra held on 23 July 2020, National webinar on "National Education Policy 2020" organized by DIET, Ajeetmal, Oraiya on 15 September, 2020 and Teacher's Colloquia on "Restructuring Mathematics class by the use of Innovative Methodologies" organized by Prem Vidyalaya, DEI on 24 February, 2021.
- Dr. Anjana Verma was a Resource Person in a National Workshop organized by Agra Public Teachers Training College, Artoni, Agra on 26-27 September 2021, and Five day 'International Internship for Communication' organized by SCAD college of Education, Tirunelveli from 08 – 12 February, 2021.
- Dr. Shweta Agarwal presented a paper entitled 'Innovative Activities in Modern Classes: Multidimensional Approach' as a Resource Person in a National Workshop organized by Agra Public Teachers Training College, Artoni, Agra on 26-27 September, 2021.
- Dr. Kalpana Gupta delivered Lecture on Stress Management through Yoga in FDP organized by Drawing and Painting Dept, DEI on 10 October, 2020 and 31 October, 2020. She has also given online Live Session on Yoga on International Yoga Day for Kids Corner Happy Sr Sec School, Firozabad on 21 June, 2021. She was a resource person in 5 Days Yoga camp organized by Bharat Vikas Parishad, Bulandshahr from 01-05 June 2021.
- Dr. Preeti Manani delivered a lecture on 'Stress Management & Emotional Resilience' in AICTE Sponsored on-line Faculty Development Programme on "Emotional Resilience" on 25-29 September, 2021 organized by Institutional Development Planning & Ranking Cell, MJP Rohilkhand University, Bareilly. She also delivered lectures on 'Reflections on leadership growth plan' and 'Create a leadership growth plan to tackle a real work challenge' in an on-line Faculty Development Programme on "Transformational Leadership" on 02-06 September 2021 organized by Department of B.Ed./M.Ed. & Centre of Excellence for Women Studies MJP Rohilkhand University, Bareilly.

Seminar/Symposia/Conference/Webinar Organized

- Dr. Sona Dixit was convener of Webinar on NEP 2020- Teacher role, challenges and response (30th March, 2021) under PMMMMNMT, SoE, FoE, DEI and Online Workshop on "Integrating Drama in Teaching-Learning" (29-30 November, 2020) under PMMMMNMT, SoE, FoE, DEI

- Dr. Neha Jain was convener of One Day Workshop on Design Thinking and Problem Solving in Education organized on 24th March 2021 under PMMMNMT, SoE, Faculty of Education, DEI, one day online Workshop on Fundamentals of Artificial Intelligence in Education organized on 28th December 2020 under PMMMNMT, SoE, Faculty of Education, DEI.
- Dr. Kalpana Gupta was the Convener of 2 Days International workshop on Self Health Care and Yoga on 20-21 October, 2021 Organized under SOE, DEI, Dayalbagh, Agra.
- Dr. Anjana Verma organized Online International workshop on Integration of Animation in teaching learning organized from 28-29 January 2021.
- Dr. Preeti Manani organized a Webinar on Netaji's Teaching on occasion of yearlong celebration of 125th birth anniversary of Netaji Shubhash Chandra Bose on 29th July, 2021 at AIBAS, Amity University, Uttar Pradesh and coordinated a lecture on Power Dressing under guest Placement cell on 30th September, 2021 at AIBAS, Amity University, Uttar Pradesh and participated in the Lecture "Creating a Vibrant Knowledge Society - An Indian Strategy for 21st Century" delivered by Dr K Kasturirangan, Chairman, National Education Policy (NEP)-2020 organized by SRM University-AP, in association with India's national newspaper, "The Hindu" on 24th July, 2021. She also participated in open house discussion on National Professional Standard for Teachers organized by Central university of Rajasthan in collaboration with NCTE, Delhi. 14th December 2021.

Seminar/Symposia/Conference/Webinar Attended

- Dr. Sona Dixit presented paper 'Pedagogical Challenges and initiatives in Education: A Post COVID Scenario' at International Academy of Business (IAB) Annual Conference, Washington, D.C., USA, held on 28-30 October, 2021. She also attended "Five days Online National Research Assistance program" at Matterhere, promoted by ICT and Digital literacy sponsored by Google AdSense (27-31 May, 2021)
- Dr. Neha Jain has attended Refresher course on Teacher Education organized by Aligarh Muslim University (Human Resource Development, HRDC) from 03 – 16 August 2021.
- Dr. Kalpana Gupta participated in FDP on Acquiring Life Skills for Professions AICTE Training and Learning (ATAL) Academy organized by University of Petroleum and Energy Studies from 22 – 26 November, 2021, FDP on Effective Leadership and Excellence in Technical Education, organised by Women Engineering College, Ajmer, AICTE Training and Learning (ATAL) Academy from 15-19 September, 2021. She also participated in a Two Days International Online Workshop on Integration of Animation in Teaching Learning organized by SOE, DEI from 28-29 January, 2021. She also participated in National Webinar on Prospects of Fine Arts on 12 June 2021 organised by Vaishnav Institute of Fine Arts, Indore and in a 2 days international Webinar on Different Dimensions of Personality Development conducted by Nisha Joshi Yoga Academy, Indore from 10 - 11 July 2021. Dr. Kalpana Gupta attended Online Faculty Induction Program, sponsored by UGC, organised by HRDC, AMU Aligarh from 12 January-16 February, 2021.
- Dr. Preeti Manani presented a paper on Virtual Classes and Rural Public-School Students: A Reality check in International Multidisciplinary Web Conference on COVID-19: Future Roadmap organized by G.E.S' s Shri Bhausaheb Vartak Arts, Commerce and Science College, Borivali (W), Mumbai on 21-22 May, 2021. She also participated in 5 days Online Faculty Development Programme on Research Methodology, Organized by School of Education, Lingaya's Vidyapeeth from 10-14 May, 2021.
- Dr. Sona Dixit completed a Specialization on Methods and Statistics in Social Science from University of Amsterdam through Coursera during June -Nov 2021. She also attended Annual Refresher Programme in 'Pedagogical Innovations and Research Methodology (Interdisciplinary)'Guru Jambheshwar University of Science and Technology, Hisar, Haryana from 1 December 2020 to 31 March 2021.
- Dr. Anjana Verma completed Refresher Course in Teacher Education from 21 August-4 September 2021, organized by Aligarh Muslim University.
- Dr. Shweta Agarwal has completed with distinction (A+ grade) a one-month online Induction Training/ Orientation Programme sponsored by Ministry of Education, PMMMNMTT organised by

Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with 6 universities of India from 11-13 March, 2021.

- Mr. Bajarang Bhushan participated in one day national seminar on Sustainable Development – A Green Approach organized by Thakur College of Science and Commerce, Mumbai on March 06, 2021 and presented paper on Climate Change Education: A Green Approach for Sustainable Development. He also participated in one day international webinar on The publishing process: the complete journey of an article organized by Wiley on 1st September, 2021.

New Facilities Created in Department

1. Emerging Technologies in Education Lab [ETED] was well furnished to maximize the tech productivity.
2. The following Laboratories were furnished by adding innovative materials:
 - Curriculum Lab
 - Visual Arts Studio
 - Performing Arts Studio
 - Psychology Lab
 - Yoga Resource Centre
 - Conference Room
 - Auditorium

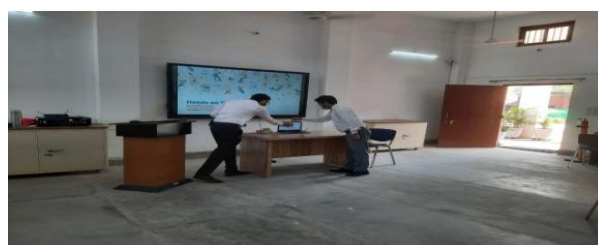
Publications

- Brazdau, O., Ahuja, S., Opariuc, C.D., Jones, V., Sharma, S., Monsanto, C., Andrews, S. and Fiveson, K., 2021. An Exploratory Analysis of Collective Patterns of Conscious Experience Using a Self-Report Questionnaire. *Frontiers in Psychology*, 12.
- Sharma S., Ahuja S., 2021. Attributes and Pedagogical Practices of Successful Teachers, *Education India: A Quarterly Refereed Journal of Dialogues on Education*, 10(1), 425-441, February, 2021. ISSN 2278-2435 with Saroj Sharma.
- Jain, S., Markan, C.M., Ahuja, S. and Tripathi, M., 2021. Identifying Neural Correlates in Stroop Task. In *Advances in Systems Engineering* (pp. 21-29). Springer, Singapore.
- Chetan Pyari शिक्षा के क्षेत्र में कृत्रिम बुद्धि के शैक्षिक उपयोग और शैक्षिक समस्याएं, Kala ISSN 0975-4520
- Dr. Sona Dixit has authored “Handbook on Integrating Drama in Teaching -learning” published by School of Education, DEI.
- Dr. Sona Dixit has published a Chapter “New Dimensions and Patterns of Geography in New Education Policy 2021” in book entitled, *New Dimensions and Patterns of Geography in New Education Policy 2021* published by Social Research Foundation, Kanpur. ISBN No-978-81-954010-8-6.
- Anjana Verma has published a book entitled *TREASURE TROVE- A Manual for preparation of Educational Toys based on Sanskrit Shlokas*. ISBN- 978-93-92152-11-5 Co- Authored with Ms. Abhilasha Satsangi.
- Sona Dixit, शिक्षण अधिगम में कटपुतली कला - एक साहित्यिक विप्लेषण in *Shodh Sarita*, Vol Issue 29 (ISBN 2348-2397) (listed in UGC Care).
- Anjana Verma, Pratima Singh book entitled *Annotated Webliography* ISBN 978-93-92152-00-9
- Dr. Shweta Agarwal has published an E-Book- *BRAIN BASED LEARNING* for School of Education (SoE) ISBN 978-93-92152-09-2.
- Bajarang Bhushan, ‘Educational Outreach in a Tribal Village Cluster: A Case Study of Rajaborari Estate for Establishing a Role Model for Government Initiatives in international Journal *Shiksha Shodh Manthan*. 2395-728X, 2021.
- Bajarang Bhushan ‘Teacher Education through ODL’, *International Journal Learning Community*, 0976-3201(Print)2231-458X(online), 2021.

- Bajarang Bhushan "Getting Sustainable Development through Climate Change Education" Academia Letters, 2021.
- Bajarang Bhushan 'हाशिये का समाज' का शैक्षिक सन्दर्भ और भाषाई चुनौतिया in National Journal अपनी माटी 2322-0724 in 2021.
- Bajarang Bhushan, Strengthening Teachers through Yoga Education: A Dayalbagh Educational Institute Initiative in National Journal Shiksha Shodh Manthan. 2395-728X, 2021.
- Preeti Manani, Mental well-being & loneliness during lockdown: A correlational study', Adhigam, Vol. 19. 150-158.
- Preeti Manani, Virtual Classes and Rural Public-School students: A Reality check' in Ajanta, Vol. 10(2), 35-40.
- Sona Dixit 'आगरा जिले के माध्यमिक विद्यालयों में भेदभावपूर्ण व्यवहार पर विद्यार्थियों के प्रत्यक्षीकरण का अध्ययन' in Shodh Sanchar Bulletin. (Listed in UGC Care) Vol 11 (ISBN 2229-3620).

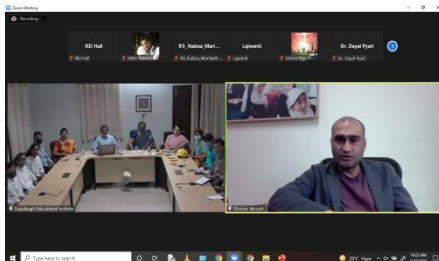
Workshops/Conferences/Seminars/Webinars Organized

- A Two-day workshop on "Applications of Makey Makey Kits in Education" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from 18 -19 April 2022. 80 participants including Pre-service Teachers and Research Scholars attended the lecture in Online/ Offline mode.



- A one day workshop on "Deep Learning for Beginners: Arduino in Classroom" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on 25th March 2022. 206 participants attended the lecture in Online/ Offline mode.
- A one day workshop on " Deep-learning for beginners" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on 24th March 2022. 65 participants attended the lecture in Online/ Offline mode.
- A one-day workshop on "The Actively Engaged Classroom (Making Every Minute Count)" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on 27th November, 2021. Ms. Seema Soami Pyari Sudhir was acted as a resource person. 29 participants attended the workshop in Online/ Offline mode.
- A three day workshop on " Integrating Visual and Performing Art in Education" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from 13-15 December, 2021. 64 participants attended the lecture in Online/ Offline mode.
- A Lecture Cum Demonstration Series-Choice Based Credit System (CBCS) & Academic Bank of Credits (ABC) was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from 23rd March 2022. Prof. NPS chandel acted as resource person. 270 participants attended the lecture in Online/ Offline mode.
- A three day workshop on "Integrating Local Sustainability in Social Science Curriculum" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan

Malviya National Mission on Teachers and Teaching from 25-27 March, 2022. Mr. Shankar Musafir, Ms. Sukanya KU, Prof. Nagendra Kumar, Prof. K.C. Vashishtha, Dr. Deepti Priya Mehrotra, Dr. Jubilee Padmanabhan, Dr. Seema Shukla Ojha, Prof. Kavita Sharma, Dr. Poornima Bhatnagar, Prof. Archana Kapoor, Prof. Sudhish acted as resource person. 65 participants attended the lecture in Online/ Offline mode.



- A three day workshop on "Visual arts and teaching learning" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from 2-4 April 2022. Dr. Kalpana Gupta acted as resource person. 89 participants attended the lecture in Online/ Offline mode.
- A four-day workshop on "Rajasthani Folk Dance and Indian Culture" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from 6-10 April 2022. Dr. Kalpana Gupta acted as resource person. 89 participants attended the lecture in Online/ Offline mode.
- A one-day workshop on "Integrating Performing Art in Classrooms" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on 12th April 2022. Mrs. Dayal Dei Saini, Rajesh Saini, Dr. Manu Sharma acted as resource persons. 257 participants attended the lecture in Online/ Offline mode.



- A one day "Exhibition-cum-workshop on Creating Environmental Consciousness in Classrooms" was organized by School of Education, Faculty of Education, DEI under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on 30th April 2022. Mrs. Madhu Bhatnagar acted as resource persons. 164 participants attended the lecture in Online/ Offline mode.

On Going Projects

- Dr. Neha Jain and Dr. Anjana Verma worked as investigators on Minor project entitled "Development of Frugal Innovation based Educational Game Packages and it's Impact on Scholastic Achievement of Upper Primary Students" (issued on 17/03/2020, duration- 18 months)
- Dr. Shweta Agarwal worked as investigator on Minor project entitled "Effect of Brain Based Learning on Educational Aspiration and Logical Thinking of students at upper primary level" (issued on 17/03/2020, duration- 18 months)

- Dr. Parul Khanna and Dr. Jyotika Kharbanda worked as investigators on minor project entitled "Developing Teaching Learning Support Material for Conceptual Understanding in Mathematics and English at Primary level" (issued on 17/3/2020, duration-18 months)
- Dr. Neetu Singh and Mrs. R. Jeyam worked as investigators on minor project entitled "Effectiveness of Folklore based digital content as a strategic tool for developing concept formation ability, Mental Imagery and Moral values among Primary students of Dayalbagh Schools." (Issued on 17/3/2020, duration-18 months)
- Mr Bajarang Bhushan worked as investigator on minor project entitled "Integrating Local sustainability in Social Science curriculum of DEI Primary school" (issued on 17/3/2020, duration-18 months)

Workshops/Conferences/Seminars/Webinars Attended

- Dr Sona Dixit successfully completed the Short-Term Course (ICT Enabled Learning) from 20-06-2022 to 27-06-2022, conducted online by the UGC-Human Resource Development Centre, Kumaun University, Nainital.
- Dr Sona Dixit successfully completed the Two - Week Faculty Development Interdisciplinary Refresher Course in "Managing Online Classes and Co - creating MOOCs " from 13 – 27 July 2022 conducted online by the Teaching Learning Centre, Ramanujan College, University of Delhi under PMMMNMTT, Ministry of Education.
- Dr. Neha Jain attended a Special Talk on "How to do High Quality of Research" sponsored by Ministry of Education, PMMMNMTT organized by SoE, Dayalbagh Educational Institute,
- Dr. Neha Jain presented paper entitled "Training Of AI Based Tools: An Impact Study On Information Digital Visual And Data Literacy Among Pre-Service Teachers" in 27th International Conference on Information Technology (IVUS 2022) organized by Vytautas Magnus University, Kaunas, Lithuania
- Dr Kalpana Gupta participated in a four days National Webinar organised by UGC Human Resource Development Centre, Aligarh Muslim University Aligarh from 15th to 20th June 2022 on NEP 2020.
- Dr. Preeti Saini participated in online international workshop on "Article Publication in Reputable Journals" held on 2nd April 2022 by Mewar International University, Nigeria.
- Dr Kalpana Gupta, Assistant professor, Faculty of Education, DEI, Dayalbagh Agra successfully completed An Online Two-Week Refresher Course in EDUCATION from 17th January to 01 February, 2022 from Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of PMMMNM on Teachers and Teaching and obtained Grade A+
- Dr. Preeti Saini participated in One-week Online Faculty Development Programme organized by University School of Education, Guru Gobind Singh Indraprastha University on the theme of "National Education Policy 2020: A Road Map for Future India" from 25th to 31st October 2021.
- Dr. Shweta Agarwal attended a Special Talk on "How to do High Quality of Research" sponsored by Ministry of Education, PMMMNMTT organized by SoE, Dayalbagh Educational Institute, Dayal Bagh, Agra on 7 th July 2022. Dr. Preeti Saini participated in the Online Subject Refresher Course in Teacher Education from 21 August 2021 to 4 September 2021 organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh.
- Dr. Anjana Verma participated in the Online Subject Refresher Course in Teacher Education from 21 August 2021 to 4 September 2021 organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh.

- Dr. Preeti Manani presented on Virtual Classes and Rural Public-School students: A Reality check paper in International Multidisciplinary Web Conference on COVID-19: Future Roadmap organized by G.E. S's Shri Bhausaheb Vartak Arts, Commerce and Science College, Borivali (W), Mumbai. May 21 & 22, 2021.
- Dr. Shweta Agarwal attended an International Webinar on "Data Mining and Learning Analytics in Educational Research" organized by Department of Education, St. Xavier's College, Kolkata from 8 th June 2022.
- Dr. Preeti Manani participated in the National Webinar on "Effects of NEP 2020 on Youth Empowerment and Skill Development" organised by Tamil Nadu Teachers Education University in collaboration with National Council for Teacher Education on 16th September 2021.
- Dr. Shweta Agarwal successfully completed with distinction (A grade) an online Refresher course sponsored by UGC Organized by Human Resource Development Centre, Aligarh Muslim University, Aligarh from 09 th May 2022 to 23 th may 2022.
- Dr. Neetu Singh presented paper entitled "Training of AI Based Tools: An Impact Study on Information Digital Visual and Data Literacy Among Pre-Service Teachers" in 27th International Conference on Information Technology (IVUS 2022) organized by Vytautas Magnus University, Kaunas, Lithuania
- Dr. Preeti Manani participated in One day national webinar on National professional standards for teachers: a step towards professional development of teachers in India" Central University of Rajasthan, Bandarsindri, Ajmer, Rajasthan in collaboration with NCTE on 15 September, 2021.
- Dr. Shweta Agarwal participated in Faculty Development Programme on "Teaching Technology and Research Skills" organized by St. Thomas' College of Law, Noida from 21 st to 23 rd March 2022
- Dr. Shweta Agarwal participated in online Faculty Development Programme on "Digital Literacy Skills" sponsored by Rajiv Gandhi National Institute of Youth Development, Ministry of Youth Affairs & Sports, Sriperumbudur, Tamil Nadu organized by Manohar Memorial College of Education, Fatehabad from 12 th March 2022.
- Dr. Preeti Manani participated in the Lecture "Creating a Vibrant Knowledge Society - An Indian Strategy for 21st Century" delivered by Dr K Kasturirangan, Chairman, National Education Policy (NEP)-2020 organized by SRM University-AP, association with India's national newspaper, "The Hindu". 24th July 2021. Dr. Sona Dixit Completed MOOC on Coursera (a non-credit specialization) on Methods and Statistics in Social Science offered by University of Amsterdam.
- Dr. Neha Jain presented Paper entitled "Training of AI based Tools: An impact study on Information, Digital, Visual and Data Literacy among Pre-service Teachers" in 27th International Conference on Information Technology (IVUS 2022)
- Dr. Neha Jain completed the Refresher Course in Teacher Education organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 03 August 2021 to 16 August 2021.
- Dr. Preeti Saini completed Refresher Course in Teacher Education organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 21 August 2021 to 04 September 2021.
- Dr. Preeti Saini received Certificate of Appreciation for participation as an expert/mentor in Action Plan competition 2020-21 organized by Abhyuday, IIT Bombay.

- Dr. Preeti Saini participated in One Week Faculty Development Programme on “National Education Policy 2020: A Road Map for Future India” from 25th to 31st October 2021 organised by University School of Education, Guru Gobind Singh Indraprastha University, Delhi.
- Ms Mugdha Sharma participated in a subject refresher course in Teacher Education organized by HRDC, Aligarh Muslim University from 21st August 2021 to 4th September 2021.
- Dr. Preeti Saini participated in One Day National Training Program on “Biofuel Production & Application for Transportation – Recent Advances and Future Prospects” held on 1st October, 2021 at Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE), Kapurthala-Punjab.
- Dr. Jyotika Kharbanda, completed the Refresher Course in Teacher Education organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 9 May 2022 to 23 May 2022.
- Dr. Parul Khanna, completed the Refresher Course in Teacher Education organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 9 May 2022 to 23 May 2022.
- Dr Jyotika Kharbanda and Dr. Parul Khanna presented a paper entitled " Online Education during Covid-19 Benefits and Challenges" in Jamia International conference on Education-2022 - Outcome based curriculum and pedagogical demands post COVID era held from 6-8 May 2022.
- Dr. Parul Khanna successfully participated in the Webinar on NEP 2020 on 15,16,18, and 20 June 2022 organized by UGC Human Resource Development Centre (HDRC), Aligarh Muslim University, Aligarh.
- Dr.Priti Sharma presented a paper entitled “Innovative practices in teacher education: NEP 2020’ in National Conference on Teacher Education in the 21st century: vision and action organized by Regional Institute of Education (National council of Educational Research and training) Bhopal, M.P. March 08-10, 2021
- Dr.Priti Sharma presented a paper entitled ‘Role of education and identity for quality Education’ in International Conference on Identity Crisis: World at a Cross Road organized by Waymade College of Education, Faculty of Education, CVM University, Gujrat, India, December 04-05, 2021.
- Dr.Priti Sharma presented a paper entitled ‘NEP 2020 as potential document to address India's Unemployment’ in National Seminar on Role of National Educational Policy-2020 to make India a Global Knowledge Superpower organized on Occasion of Amrit Mahotsav in joint collaboration of Rashtriya Shaikshik Mahasangh, U.P. (Kanpur Region) and C.S.J.M. University Kanpur, India, October 15, 2022.
- Dr.Priti Sharma presented a paper entitled ‘Lockdown: An Unexpected Boon’ in International Conference on “Impact of Covid-19 on HUMPEAR” organized by DEI (Deemed to be University), Agra, U.P. India, November, 2022.
- Dr.Priti Sharma presented a paper entitled ‘Recommendation Pertaining Teacher Education’ in the National seminar on “The National Education Policy of India 2020:Transforming Vision into Action” organized by Sant Ramkrishna Kanya Mahavidyalaya, Agra, U.P. India,18 & 19 November, 2022.
- Dr. Priti Sharma successfully participated in the UGC sponsored “Online Workshop on NEP-2020: Multidisciplinary, organized by UGC- Human Resource Development Centre, Gujrat University, Ahmedabad. June 23, 2022.

- Dr. Priti Sharma successfully Participated in the UGC sponsored “Online Workshop on NEP-2020: Educational Framework for Global Citizenship in Higher Education, organized by, UGC- Human Resource Development Centre, Gujrat University, Ahmedabad. June 24, 2022
- Dr. Priti Sharma successfully participated in the UGC sponsored “Online Workshop on NEP-2020: Digital Governance, organized by, UGC- Human Resource Development Centre, Gujrat University, Ahmedabad. June 25, 2022.
- Dr. Priti Sharma successfully participated in the 1st International webinar on “Respositioning higher education research for institutional sustainability and development, organized by, Institute of Africa Higher Education Research and Innovations, Maryam Abacha American University of Nigeria. August 20, 2022.
- Dr. Priti Sharma successfully completed a 4 week Orientation Programme for Faculty in Universities/College/Institutes of Higher Education organized by MINISTRY OF EDUCATION PMMMNMTT Teaching Learning Centre, Ramanujan College University of Delhi, from 21 November to 20 December, 2022.

Staff Acted as Resource Person or Expert

- Prof Nandita Satsangee was invited to deliver a Special Lecture on National Youth Day Jan 12, 2022: Preparing Youth For 21st Century by the Department of Education Aligarh Muslim University
- Prof Nandita Satsangee acted as resource person in the CSTP (Civil Services Training Programme) organized by AADEIs and DEI on English Writing Skills 1.6.2022 and on 28 Dec. 202 on Vocabulary building
- Prof. N P S Chandel has been Invited to deliver lecture on statistics, in refresher Programme organized by Academic staff college AMU Aligarh, M.D. University, under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), on 05th August 2021.
- Dr. Sona Ahuja has been invited as a Lead Speaker for Webinar on Scholar’s Mosaic 2021 Annual Young Researchers’ Meet July 17-19, 2021 organized by Department of Education (CASE, IASE & IUCTE), Faculty of Education & Psychology, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat. Delivered talk on Research Ethics on July 18, 2021
- Dr. Neha Jain acted as a resource person in 21st Research Colloquia on the topic ‘Mind Mapping Technique’ organized by DEI Board School
- Dr Kalpana Gupta worked as a resource person in a Seven Days Yoga Camp (Amrit Yog Saptah) organised by Faculty of Aayush and Engineering, DEI Dayalbagh, Agra from 14 to 20 June, 2022.
- Dr. Preeti Manani is working as a member of Editorial Board in an International Journal of Education Shiksha Shodh Manthan.
- Dr Kalpana Gupta worked as resource person in national webinar on Yoga connecting body mind and soul organised by Sanskriti University, Mathura, UP on 18th June 2022.
- Dr. Preeti Manani is working as a member of Editorial Board in a International Refereed Journal Research Constellations and Journal Gyan Manjusha.
- Dr. Anjana Verma delivered a lecture as resource person in a National Workshop 'Post Covid-19 scenerio : New approaches and Challanges of Education' organised by Agra Public Training College, Agra on 26-27 September, 2021.
- Dr. Preeti Manani delivered a talk on Brain based learning in a webinar organized by Institute of Education and Research, Shri Ramswaroop Memmorial University, Lucknow, on 26 May, 2022.

- Dr. Preeti Manani delivered a guest lecture on Brain based learning: Classroom Activities organized by Faculty of Education, Teerthankar Mahaveer University, Mooradabad, UP on 26-04-2022.
- Dr. Shweta Agarwal acted as a Resource person for presenting a lecture on 'Innovative Activities in MordenClasses: Multidimensional Approach' in the National Seminar on 'Post Covid-19 Scenario: New Approaches & Challenges of Education', organized by Faculty of Education, Agra Public Teachers Training College, Agra, from 26 th - 27 th September, 2021.
- Dr. Preeti Manani delivered a lecture on Stress Management in an independently organized webinar organized by the Faculty of Education, Arts, Humanities & Social Sciences, Madhyanchal Professional University, Ratibad, Bhopal (MP) on 26-02-2022.
- Dr. Neetu Singh contributed as resource person in AICTE Training and Learning Academy Online Elementary FDP on Emotional Resilience from 25 to 29 September, 2021 at Mahatma Jyotibha Phule Rohilkhand University.
- Dr. Preeti Manani delivered a lecture on 'Stress Management & Emotional Resilience' in organize an AICTE Sponsored on-line Faculty Development Programme on "Emotional Resilience" dated 25-29 September 2021 organized by Institutional Development Planning & Ranking Cell, MJP Rohilkhand University, Bareilly on 26 September, 2021.
- Dr. Neetu Singh contributed as resource person in 22nd Teachers Colloquia organized by DEI Board Schools on March 10, 2022 on the topic "NEP 2020 and technology in School Education.
- Dr. Preeti Manani delivered lectures on 'Reflections on leadership growth plan' and 'Create a leadership growth plan to tackle a real work challenge' in an on-line Faculty Development Programme on "Transformational Leadership" on 02-06 September, 2021 organized by Department of B.Ed./M.Ed. & Centre of Excellence for Women Studies MJP Rohilkhand University, Bareilly on 5 and 6 September, 2021.

Publications

- Prof Nandita Satsangee Co-authored one publication with Ms Neelima Sachwani: Title: Persuasive Technology In Education Context Journal : International Journal of Education, Modern Management, Applied Science & Social Science (IJEMMASSS)
- Dixit S, Yadav, A 'शिक्षण अधिगम में कटपुतली कला – एक साहित्यिक विश्लेषण' in Shodh Sarita, 2021, Vol 8, Issue 29 (ISBN 2348-2397)
- Khanna P, 'A Study of Relationship between Emotional Intelligence and Leadership Effectiveness of Secondary School Principals ' in Zeichen Journal, 2022 Vol 8, Issue 07 (ISSN 0932-4747)
- Ahuja, S., & Sharma, S. Attributes and Pedagogical Practices of Successful Teachers. *Education India: A Quarterly Refereed Journal of Dialogues on Education*, 2021, 10(1), 425-441.
- Ahuja, S., Jain S., Markan C. M., Tripathi M. Identifying Neural Correlates in Stroop Task. In: Saran V.H., Misra R.K. (eds) Advances in Systems Engineering. *Lecture Notes in Mechanical Engineering. Springer, Singapore. 2021*, https://doi.org/10.1007/978-981-15-8025-3_3
- Jain, N. & Dua A. Education of Future Generation: Issues, Challenges and Opportunities "in the proceeding of National Conference on Atmanirbhar Bharat: Building a Self-Reliant India (Prospects and Challenges Ahead). *Department of Humanities and Management Dr B R Ambedkar National Institute of Technology, GT Road Bye-Pass, 2022.*
- Pyari, C. शिक्षा के क्षेत्र में कृत्रिम बुद्धि के शाशिक प्रयोग या शैक्षिक विषय, *Kala Sarover*, 2021, ISSN:00945-4520
- Saini, P., Tonk, L., Jain, Y. *BIO-DEGRADABLE TEACHING LEARNING MATERIAL (From Waste Materials)*, Raja Rammohun Roy National Agency for ISBN, Department of Higher Education, MHRD, Government of India. ISBN 978-93-92152-12-2, 2021.

- Jain, N.& Dua, A. Education of Future Generation: Issues, Challenges and Opportunities. National Conference on Atmanirbhar Bharat: Building a Self-Reliant India (Prospects and Challenges Ahead, 1st ed; Department of Humanities and Management, Dr. BR Ambedkar National Institute of Technology, Jalandhar, 2022; pp 392-396. ISBN: 978-93-5627-860-8
- Agarwal, S. Mental Health & Its Strategies in *The New Era of Educational Psychology – Multi-Disciplinary Edited Book*, National Publisher Rachanakaar Publication House, Delhi.
- Dixit S, Mittal R. New Dimensions and Pattern of Geography in New Education

Placements

- Shalini Verma got placed as a Junior Project Fellow (JPF) in the Department of Teacher Education (DTE), NCERT Delhi under the project NISHTHA, in October 2022.
- Shalini Verma got placed as an Assistant Professor, in the Faculty of Education, Dayalbagh Educational Institute, Dayalbagh Agra in December 2022.
- 16 Students placed in the schools as Teacher at different levels.
- 05 students have been placed in different role as Assistant Manager, Business Development Manager, UP police constable, in Ministry of Defence, BD executive etc.

Student's Achievement

- BEd students (Nitesh Singh, Saumya Saluja, Kajal Sharma, Kavisha, Bhavna Varshney, Pragati Dubey, Mrinal Dixit, Kajal Kushwah) have completed joint project on Web and video Publishing on the Internet in collaboration with students from Seneca College, Canada.

Workshops/Conferences/Seminars/Webinars Attended by students

- Preeti attended A One day exhibition cum workshop on creating environmental consciousness by Faculty of Education DEI Agra on 30 April 2022.
- Preeti attended International webinar on भारतीय शिक्षा तंत्र एवं रास्ट्रीय शिक्षा निति 2020 from 24 December 2021 organized by Dept. of Zoology Palival PS College Shikohabad UP India.
- Jyoti presented paper in one day National seminar on भारतीय ज्ञान परम्परा एवं आधुनिक समाज में चुनौतियाँ :Transforming Vision in to Action in the seminar organized by SRK College Agra from 18-19 November 2022.
- Preeti, presented paper in two days National seminar on The National Education Policy of India 2020: Transforming Vision in to Action in the seminar organized by SRK College Agra from 18-19 November 2022.
- Preeti, attended One day International workshop on Integrating Performing Art in class room organized by Faculty of Education DEI Agra on 12 April 2022.
- Sant Pyari Saxena presented paper in Dayalbagh Science of Consciousness conference 2022 summer session organized by DEI from 26th- 29th September 2022,
- Anuj Kumar presented paper in National Seminar on Higher Education through the medium of Indian Languages : Challenges and Opportunities on 20 December, 2022, organized by भारतीय भाषा समिति एवं लखनऊ विवि।
- Anuj Kumar presented paper in 4th Multidisciplinary National Conference on Pre-Doctoral Research 2022 on 11 October, 2022, organized by DEI.
- Rajat Kumar presented paper in National Seminar on The National Education Policy of India 2020: Transforming Vision into Action from 18th- 19th November 2022, organized by Sant Ramkrishna Kanya Mahavidyalaya. Agra
- Rajat Kumar presented paper in International Conference On 'Impact of Covid-19 on HUMPEAR on 07th November 2022, organized by DEI, Agra

- Rajat Kumar presented paper in National Seminar on Only One Earth on 05th June 2022, organized by Chaudhary Charan Singh University, Meerut.
- Rajat Kumar presented paper in National Conference on Sustainable Development Challenges and Opportunities on 10th December 2022, organized by Garg P.G. College, Laksar, Haridwar.
- Preeti Rajpoot presented a paper in national seminar at SNTD University on development of 21st century skill from 23-24 Dec.
- Deepu Jadaun presented a paper in the National Conference on 'National Education Policy 2020: Implication for Higher Education' held on 18-19 July 2022 at GGSIPU, New Delhi.

Student's Publication

- Agarwal, M. & Rao, T.K. Online Learning: Learners' Problems and Possible Solutions. *International Journal of Current Science*. 2022, (12), 2250-1770.
- Singh, M. and Lal, C. (2022) आदिवासी क्षेत्र के विद्यार्थियों के नैतिक मूल एवं जिज्ञासा प्रवृत्ति का अध्ययन, *Periodic Research*, volume- x, issue -iv.
- Agarwal, M. & Rao, T.K. Online Learning: Learners' Problems and Possible Solutions. *International Journal of Current Science*. 2022, (12), 2250-1770.
- Singh, M. and Lal, C. (2022) Adiwasi kshetra ke vidyarthiyon ke naitik muly evam jigyaasa pravriti ka adhyayan, *periodic research*, volume- x, issue -iv.
- Kumar, A. & Chandel, N.P.S. उच्च शिक्षा स्तर पर दैनिक गृह दत्तकार्य के अधिगम अवसर, शैक्षिक उपलब्धि एवं अभिप्रेरणा आयामों के संदर्भ में छात्रों की अभिवृत्ति का अध्ययन. *दृष्टिकोण पत्रिका*. अंक-2, ISSN (P): 0975-119X: pp H-4183-4188.
- Kumar, A. & Chandel, N.P.S. उच्च शिक्षा स्तर पर दैनिक गृहदत्त कार्य के संदर्भ में अभिभावकों के अभिमत का अध्ययन. *शोध ऋतुपत्रिका*. Vol-6 Issue-4&5, ISSN(P): 2454-6283: pp -68-71.
- Kumar, R. & Lal, C. Study of Adjustment of Female Teachers Working in Kasturba Gandhi Balika Vidyalaya. *Shrinkhla Ek Shodhparak Vaicharik Patrika*. Vol-9 Issue-8, ISSN(P): 2321-290X: pp H-21-26
- Kumar, R: A Study of Adjustment with School & Family Environment of Female Teachers Working in Kasturba Gandhi Balika Vidyalays: *Azadi ka Amrit Mahotsav.*; 2022; ISBN:978-93-91074-07-4 pp130-138.
- Kumar, R. & Lal, C; वर्तमान शैक्षिक परिप्रेक्ष्य में दीक्षाएप की भूमिका: एक अध्ययन; 75th Years of Indian Independence Ed-1st ISBN : 9789391074012 pp 207-214.
- Kumar, R; पर्यावरण संरक्षण के उद्देश्य से दयालबाग शिक्षण संस्थान द्वारा संधारणीयता के संदर्भ में किए जाने वाले प्रयास; एक प्रेरणा; *Conference Proceedings on Sustainable Development challenges and opportunities*; pp 99-105.

Events Organised

A six day Scouting and Guiding Camp was organized on 17-22 December 2021, for 408 students of B.Ed. third semester, D.El.Ed. third semester teacher trainees and PSTE. In the camp, students did yoga in Anupam Upavan and the next day the students reached Anupam Upvan through hiking, where they pitched a tent and cooked food by lighting the Chulhas. Various competitions were organized like environment cleanliness, poster making, cultural competition, tent pitching, food preparation. Scouts and guides learnt first aid and caring for the injured person. Prof. Ranjeet Kaur Satsangi taught Scouts and Guides about how to pitch a tent. On the occasion of Initiation Ceremony Scouts and Guides were initiated by the Chief Guest Smt. Sneha Bijlani, Treasurer, D.E.I. in the presence of Prof. Anand Mohan, Registrar, DEI, Professor Emeritus, Staff and other Guest. Prof. P.S. Tyagi gave a call to the Scouts and Guides to rise higher and higher and benefit from the camp to learn the modalities of Scouts and Guides. Scouting and Guiding Camp was conducted by Dr. Arti Singh, Camp Coordinator.

Faculty of Engineering

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, Mechanical Engineering, Agricultural 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: Ph. D. (Fulltime) and Ph. D. (Part Time) and Integrated B. Tech., M. Tech. and Ph. D. programmes.

Awards/Achievements /Recognitions

- Dr. Prem Prakash Vuppuluri was ranked third in the biennial Metaheuristics Competition sponsored by the Association of European OR Societies, the French National Centre for Scientific Research CNRS-GDR and European Working Group on Metaheuristics, organized during June-October 2021 by the Metaheuristics Summer School, University of Catania, Italy. The objective of the competition was to design and implement an efficient metaheuristic solution to a specific real-world big data optimization problem. The top three ranks in the competition are awarded the MESS 2020+1 competition prize, which, in this case, is shared by two teams of researchers from UFF, Brazil and UVa, Spain respectively, and Dr. Prem Prakash from DEI, India.
- Gurmukh Das received the *Most Distinguished Paper Award* for the paper titled "Integration of tool management issues in automated manufacturing systems" at the *National Conference on 2nd Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS)* on February 12-13, 2021, organized by NIT Rourkela.
- Dr. Rajiv Kumar Chauhan won the IEEE UP Section Young Professional Star Award of the Month, September 2021
- Dr. Rajiv Kumar Chauhan chaired a session in 18th International Scientific-Technical Conference "Alternating Current Electric Drives" (ACED 2021) Ekaterinburg, Russia 24-27 May 2021.

Seminar/Symposia/Conference/Webinar/Faculty Development Program Organized

- A Faculty Development Program, under AICTE ATAL scheme was organised during 5 to 9 July, 2021 on Microgrid an Opportunity: Electric Vehicle and Renewable Energy Resources.
- IEEE Workshop on Modelling and Simulation with MATLAB Emerging Applications was organised successfully, from 18 to 28 October, 2021.
- IEEE Student Branch hosted an IEEE Webinar by Dr. Gaurav Vats, Research Scientist in the Department of Physics and Astronomy at Katholieke Universiteit Leuven, Belgium on "Solid-State Energy Conversion and Signal Modulation Using Ferroelectrics" on 16 January, 2022.
- A special workshop was organized by the Department of Footwear technology and Agriculture Engineering on World Water Day on 22-03-2022. The special invited guest for the lecture was Mr.B.S. Ahuja

- A special invited talk was organized by the Department of Footwear technology on Recent Trends in Footwear Technology on 28-12-2021. The special invited guest for the lecture was Mr. Uday Shah
- Organised Engineers' Day 2022 under DEI students Chapter (Footwear Technology) – IEI on 15th Sept. 2022. Ms. Arpita Varshney, Manager Bata India Pvt. Ltd. was the Chief Guest and delivered a talk on Present State of Art in Footwear Industries.
- One day webinar attended by Dr. Atul Dayal on topic “Clinical Gait Assessment Using Plantar Pressure Analysis (Part 3): How to Analyze Data to Understand What We Are Seeing, on December 7, 2022.

MHRD Virtual Lab Proposals accepted

- Control Engineering Lab - Dr. Rajeev Chauhan
- Data Analytics Lab - Dr. V Prem Prakash
- IoT and Embedded System Lab - Dr. Gufran Ahmad

Publications

- A Chauhan, A Srivastava, MT Khan, A Alam, S Upadhyay (2022). Performance Analysis of Optimal Designed Photovoltaic/Diesel Generator-Based Hybrid Energy System Coupled to Utility Grid, *Advancement in Materials, Manufacturing and Energy Engineering*, Vol. I, 435-447.
- Das, G., Singh, G., & Zindani, D. (2022). Decision support system for electric discharge machined AA6061/Al₂O₃/10p metal matrix composite. *Materials Today: Proceedings*, 62, 1139-1142.
- G. Das, G. Singh, and D. Zindani (2022). .Aggregation multiplicative rule for optimal parametric identification of electric discharge machined AA6061/Al₂O₃/10p composite,” *Mater. Today Proc.*, vol. 57, no. Part 2, pp. 522–526, Feb. 2022.
- R. Naveenkumar, G. Das, D. Zindani, and G. Singh (2022). Performance Evaluation of Structural Composite Energy Storage Devices for Sustainable Earth Augers, *Proceedings of the International Conference on Advances in Manufacturing Technology (ICAMT 2022)*, CIT, Chennai, India, 25-26 Mar. 2022, Paper ID 113.
- S. Singh, and G. Das, “Automatic Emergency Braking System,” *Proceedings of the International Conference on Frontiers of Science & Technology*, KIET, Ghaziabad, India, 13-14 Aug. 2021, Paper ID 42.
- Singh, S. K., Upadhyay, S., & Chauhan, R. K. (2021, May). Microcontroller Based P&O MPPT for Standalone Solar Power Plants. In *2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED)* (pp. 1-5). IEEE.
- P. Jyoti and G. Das (2021). An overview of the airbag system and its defects,” *Proceedings of the International Conference on Frontiers of Science & Technology*, KIET, Ghaziabad, India,
- G. Das and P. Das (2021). Performance Assessment of Electric Discharge Machining on AA6061/Al₂O₃/10p Metal Matrix Composite, *Proceedings of the International Conference on Progressive Research in Industrial & Mechanical Engineering*, National Institute of Technology Patna, India.
- Kushwaha, and G. Das (2021) A novel technique to prevent COVID-19 transmission in temples, *Proceedings of the International Conference on Recent Developments on Materials, Reliability, Safety, and Environmental issues*, National Institute of Technology Jalandhar, India.
- R. Singh and G. Das (2021). Integration of tool management issues in automated manufacturing systems,” *Proceedings of the National Conference on 2nd Innovative Product Design and Intelligent Manufacturing Systems*, National Institute of Technology Rourkela, India.
- M. Gopiseti, A. Mani, H. P. Singh, D. K. Chaturvedi (2021). Effect of Voltage Dependent Load Model on Placement and Sizing of Distributed Generator in Large Scale Distribution System, *Majlesi Journal of Electrical Engineering (MJEE)*, 14 (4), 97-121.

- D.K. Chaturvedi and M.P. Singh (2021). Health Monitoring of Induction Motor Using Thermal Images, International Journal of Engineering Research and Applications (IJERA), vol.11 (5),50-56,
- D.K. Chaturvedi and M.P. Singh (2021). Development Of Integrated Soft Computing Approach for Stator Resistance Estimation Of Three Phase Induction Motor, International Journal of Engineering Research and Applications (IJERA), Vol. 11, Issue 5, (Series-IV), 43-49.
- D.K. Chaturvedi and M.P. Singh (2021). Parameter Estimation of Three Phase Induction Motor with Hybrid Soft Computing Techniques, International Research Journal of Engineering and Technology (IRJET), Volume 8, Issue 5.
- D.K. Chaturvedi and M.P. Singh (2021). Bearing Fault Detection Of Three Phase Induction Motor Using Sound Signals, International Research Journal of Engineering and Technology (IRJET), Volume 8, Issue 5.
- D.K. Chaturvedi and M.P. Singh (2021). On – Line Parameter Evaluation Of Three Phase Induction Motor With GNA, International Research Journal of Engineering and Technology (IRJET), Volume 8, Issue 5.
- Shradha Kishore, D.K. Chaturvedi (2021). Comparison of Traditional and Evolutionary Tuning Techniques for a Didactic Magnetic Levitation System, International Journal of Scientific & Engineering Research (IJSER), Volume 12, Issue 2.
- Rohit Rastogi, Mamta Saxena, D.K. Chaturvedi, Mayank Gupta, Akshit Rajan Rastogi, Mukund Rastogi, Ankur Sharma, Sheelu Sagar (2021). Kirlian Experimental Analysis and IoT: Part 1, International Journal of Reliable and Quality E-Healthcare (IJRQEH), Volume 10, Issue 2, 29-43.
- D.K. Chaturvedi, M.P. Singh, Shikha, Amra Gupta, Sakshi Goswami, Km Sapna, Khusboo Gautam (2021). Intelligent e- Pest Repellent System. International Journal of Engineering Research and Applications (IJERA), vol.11 (5), 21-24.
- D.K. Chaturvedi, E. Guru Dayal, Mayank Pratap Singh (2021). Solid Waste Management (SWM): A Review, International Journal of Engineering Research and Applications (IJERA), Vol. 11 - No. 6, 10-17, ISSN: 2248-9622V.
- Srinath, Manmohan Agarwal and D. K. Chaturvedi (2021). Analysis and simulation of a single-phase seven-level inverter controlled by modified sinusoidal PWM technique, International Journal of Modeling, Simulation, and Scientific Computing, 3, 2150024, World Scientific Publishing Company.
- D.K. Chaturvedi, Arjun Verma (2021) Design and Development of Prototype through Additive Manufacturing of Bunion and First Metatarsal Phalangeal Joint” Journal of Indian Leather Technologists’ Association (JILTA), Vol.LXXII, issue 6,31-35.
- Amit Yadav, Ajeet Gaur, D K Chaturvedi, Mayank P Singh, S M Jain and Trapti Jain (2021). Design and Development of VI Controlled Intelligent Robot Systems for Real Time Applications, Indian Official Journal of the Patents.
- D.K. Chaturvedi and Mayank Agarwal (2021). Cost Effective Smart EVA Shoe for Women and Children Safety, Indian Official Journal of the Patents.
- Arunesh Kumar, D K Chaturvedi, Amit Yadav, Pramod Singhal and Mayank P Singh (2021). Multi-Disc Eddy Current Braking System (ECBS) with Intelligent Controllers, Indian Official Journal of the Patents.
- Shiwani Singh, Meenu Singh and D. K. Chaturvedi (2021). Historical perspective of Artificial Intelligence based Expert system, 44th National Systems Conference NSC 2021 at D.E.I. Agra.
- M. Gopiseti, A. Mani, H. P. Singh, D. K. Chaturvedi (2021). Effect of Voltage Dependent Load Model on Placement and Sizing of Distributed Generator in Large Scale Distribution System, Majlesi Journal of Electrical Engineering (MJEE), 14 (4), 97-121.
- Kashyap, N., Kumari, A. C., & Chhikara, R. (2021). A Hybrid Hyper-Heuristic Flower Pollination Algorithm for Service Composition Problem in IoT. Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science), 14(6), 1962-1973.

- Sangwan, M., & Kumari, A. C. (2021). Blockchain technology: architecture, challenges, and applications. *Advances in Systems Engineering: Select Proceedings of NSC 2019*, 481-487.
- Yadav, H., Chhikara, R., & Kumari, C. (2021). Hybrid Model using Firefly and BBO for Feature Selection in Software Product Line. *Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)*, 14(9), 2754-2760.
- Chauhan, K., & Chauhan, R. K. (Eds.). (2021). *Image Processing for Automated Diagnosis of Cardiac Diseases*. Academic Press.
- Yadav, H., Chhikara, R., & Kumari, A. C. (2021). A novel hybrid approach for feature selection in software product lines. *Multimedia Tools and Applications*, 80, 4919-4942.
- Mallik, S., Singh, P. K., Ahmad, G., Guhathakurata, S., Mahato, S. S., & Manik, N. B. (2021). High-sensitive terahertz biosensors. *Advanced Materials for Future Terahertz Devices, Circuits and Systems*, 289-314.
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- Shekokar, K., Dour, S., & Ahmad, G. (2021). Epileptic Seizure Classification using LSTM. In *2021 8th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 591-594). IEEE.
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- Singh, P. K., Singh, S. K., Ahmad, G., Das, P., Mallik, S., Choudhary, D. K. & Tiwary, A. K. (2022). Design and Simulation of Microstrip Antenna for Terahertz Applications. *Generation, Detection and Processing of Terahertz Signals*, 263-283.
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- Ahmad, G., Guhathakurata, S., Mohanty, S., Singh, P. K., & Mallik, S. (2022). Thin-Film Photovoltaic Devices with Asymmetric Heterocontact Geometries. In *Low-Dimensional Nanoelectronic Devices* (215-242). Apple Academic Press.
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- Chauhan, R. K., Chauhan, K., & Badar, A. Q. (2022). Optimization of electrical energy waste in house using smart appliances management System-A case study. *Journal of Building Engineering*, 46, 103595.
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- Maan, P., Singh, H., & Kumari, A. C. (2022). Optical Encryption of Images Using Partial Pivoting Lower Upper Decomposition Based on Two Structured Deterministic Phase Masks in the Hybrid Transform Domain. In Security Analytics (73-91). Chapman and Hall/CRC.
- Maan, P., Singh, H., & Charan Kumari, A. (2022). Security Augmented Symmetric Optical Image Cryptosystem Based on Hybrid Transform Employing Rear Mounted Technique Using Three Different Complex Masks. In Cyber Security and Digital Forensics: Proceedings of ICCSDF 2021 (199-211). Springer Singapore.
- Asthana, P., & Singh, P. (2022). Integrating Opinion Analysis with SWOT Analysis to Improve Online Learning in School. YMER, Volume 21, ISSN: 0044-0477
- Singh, A. G., Urs, R. R., Chauhan, R. K., & Tiwari, P. (2022). Green Energy Technology- Based Energy- Efficient Appliances for Buildings. Power Electronics for Green Energy Conversion, 1-28.
- Chauhan, R. K., & Chauhan, K. (2022). Intelligent toll collection system for moving vehicles in India. Intelligent Systems with Applications, 15, 200099.
- Upadhyay, S., Chauhan, R. K., & Sharma, M. P. (2022). Evaluation of Shortest Path to Optimize Distribution Network Cost and Power Losses in Hilly Areas: A Case Study. Intelligent Data Mining and Analysis in Power and Energy Systems: Models and Applications for Smarter Efficient Power Systems, 281-297.
- Chauhan, K., Chauhan, R. K., & Saini, A. (2022). Comparison and Performance Analysis of Various Despeckling Methods on Echocardiographic Images. In 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) (1-6), IEEE.
- Amoriya, V., Chauhan, R. K., Mittal, S., Chauhan, K., Bharti, A., & Saini, A. (2022). Energy Management System for PV-DC Generator Based Microgrid for Rural Homes. In 2022 Global Energy Conference (GEC) (217-222). IEEE.
- Chauhan, R. K., K Chauhan (2022). Intelligent toll collection system for moving vehicles in India, Intelligent Systems with Applications, Volume 15, 200099.

Patents

Dr. Prem Prakash Vuppuluri and Prof. Patvardhan Chellapilla: were granted an Innovation Patent by IP Australia, No. 021105408, titled "A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE".

Indian Design Patents - Granted

- *Ergonomic Castanet*
Design Registration Number: 348594-001, Class: 17-04, Granted on August 29, 2021
Members: Amrit Lal, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das
- *Plastic Pen Holder*
Design Registration Number: 347570-001, Class: 19-06, Granted on August 8, 2021
Members: Jitesh Singh Chauhan, Gurdeep Singh, Bighna Kalyan Nayak, Gurumukh Das
- *Automated Temple Bell (Set)*
Design Registration Number: 345654-001, Class: 17-04, Granted on July 3, 2021
Members: Ankit Kushwaha, Gurdeep Singh, Gurumukh Das, Amrit Lal
- *Ergonomic Jewellery Box*
Design Registration Number: 336632-001, Class: 03-01, Granted on December 21, 2020
Members: Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das
- *Compact Wooden Box*
Design Registration Number: 336629-001, Class: 09-03, Granted on December 21, 2020
Members: Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das
- *Ergonomic Three-Seater Wooden Sofa*
Design Registration Number: 331907-001, Class: 06-01, Granted on August 13, 2020

- Members: Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das
- *A method for manufacturing low cost footwear for bunion and hammer toe foot deformities*
Design Registration Number: 2021103736, Granted on June 30, 2021
 - *Cost effective smart EVA shoe for women and children safety*
Design Registration Number: 202111038781, Granted on September 10, 2021
Members: Prof. Devendra Kumar Chaturvedi, Mr. Arjun Verma
 - *Mid-sole and Insole for footwears from the waste of white Pumpkin*
Design Registration Number: 202211071372, Granted on December 10, 2022
Members: Prof. Devendra Kumar Chaturvedi, Mr. Arjun Verma
 - *Method for creating low-cost solid block shoe last*
Design Registration Number: 202211068606, Granted on November 11, 2022
Members: Prof. Devendra Kumar Chaturvedi, Mr. Arjun Verma

Indian Design Patents – Filed

- *Semi-precious Jewellery Organizer*
Design Registration Number: 363027-001, Class: 06-04, Filed on April 24, 2022
Members: Jitesh Singh Chauhan, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das
- *Ergonomic Kitchen Accessories Cabinet [FER replied]*
Design Registration Number: 337425-001, Class: 06-04, Filed on January 11, 2021
Members: Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das

Students Achievements

Ms. Gauri Sharma has Joined University of McGill for Higher Studies in January 2020.

Eight students of Electrical Engineering are selected for internship under MITACS (Indo-Canadian Scheme of AICTE)

- Mr Vageesh Amoriya: University of Qubec a Trois-Rivieres
- Ms. Drishti Goel: Western University, Ontario
- Ms. Vanshita Parmar: University of Manitoba
- Mr. Aarat Satsangi: Ryerson University
- Ms. Kusum Singh: University of Saskatechwan
- Mr Swapnil Rajput: York University
- Ms. Mehar Mishra, University of Waterloo
- Mr. Harshit Agarwal: Université de Sherbrooke – Sherbrooke

Smart India Hackathon: A Team from Faculty of Engineering has Prizes Won the National Level Smart India Hackathon in one group.

Mr. Vikas Kumar Singh, M. Tech awarded first prize for his project Idea “Self Sustainable Green House” in Green Cover Competition organized by IEEE Student Branch at Central University of Haryana, Mahendragarh held on 5th September 2021.

Mr. Raushan Kumar, M Voc Renewable Energy: Won Gold Medal in State Level and National Level IndiaSkills National Competition organized by NSDC, Min of Skill Dev. & Entrepreneurship, GoI and will represent India in global competition.

Research Projects

- Dr. Rajiv Chauhan received UGC Start Up grant of Rs. 10.00 Lacs and two UPTCL Consultancy Projects
- Dr. Gufran Ahmad: “Lab-on-chip Biosensor for rapid and Label-free Virus detection” DST/WOS-B/HN-17/2021. Amount: Rs. 27,84,400/-
- Dr. Subho Upadhyay: Design and development of automatic dual axis solar cleaning system
- Prof. G.S.S.Babu, Prof. D Bhagwan Das and Prof. A K Saxena: Rs. 1.86 Crores from DST under Mission Innovation Call for R & D project entitled Different Energy Vector Integration for Storage of Energy (DEVISE). IIT Roorkee, IIT Delhi, FBK, Italy, UMEA University, Sweden and The Arctic University of Norway, UiT, Norway are other partners.
- Dr. Atul Dayal received a grant of Rs. 2.0 lakhs under UGC minor Project. Project Title “Development of a Low-cost GAIT analysis system based on DEEP learning principles, for the evaluation of human walking patterns and for taking corrective measures for improving human biomechanics with the help of custom-made footwear.”
- Prof. Rahul Swarup Sharma received MHRD NMEICT VLAB Grant worth Rs. 24 Lacs for Project on 3D Printing Virtual Simulation Lab

Participation in Conferences/ Seminars/ Webinars

- Amit Yadav, Ajeet Gaur, D K Chaturvedi, Mayank P Singh, S M Jain and Trapti Jain, Design and Development of VI Controlled Intelligent Robot Systems for Real Time Applications, International Conference on Innovations and Ideas towards Patents (ICIIP-2021), ORGANISED BY Indira Gandhi Delhi Technical University for Women, Delhi, India, October 30th, 2021.
- D.K. Chaturvedi, Mayank Agarwal, Cost Effective Smart EVA Shoe for Women and children safety”, International Conference on Innovations and Ideas towards Patents (ICIIP-2021), ORGANISED BY Indira Gandhi Delhi Technical University for Women, Delhi, India, October 30th, 2021.
- A.K. Singh, Ibraheem, D.K. Chaturvedi, S. Khatoon, Amit K. Sharma, Multi-Disc Eddy Current Braking System (ECBS) with Intelligent Controllers, International Conference on Innovations and Ideas towards Patents (ICIIP-2021), ORGANISED BY Indira Gandhi Delhi Technical University for Women, Delhi, India, October 30th, 2021.
- Mayank Pratap Singh, Ram Naresh Mishra, D. K. Chaturvedi, Low-cost Air Sanitization System, Elsevier-Ssrn International Electrical and Electronics Engineering Conference (IEEEEC-2021), Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-110042 Oct 24, 2021.
- 5 days (Duration 04:00 Hrs./ Day) Online Faculty Development Program was attended by Mr. Arjun Verma on “Research Methodology and Tools” from 22-08-2022 to 26-08-2022, organized by Department of Computer Science and Engineering, ABES Engineering College, Ghaziabad.
- 5 Days online FDP program was attended by Dr. Atul Dayal on topic "Inculcating Universal Human Values in Technical Education" organised by All India Council for Technical Education (AICTE) from 28 March to 1 April, 2022.
- 40 hours online FDP program was attended by Dr. Atul Dayal on the topic of “Applications of DATA science using ML Techniques” Organized by E&ICT Academy, NIT Warangal and Sreenidhi Institute of Science and Technology, Hyderabad, from 23 May to 1 June, 2022.

Faculty of Science

The erstwhile REI Degree College which was affiliated to Agra University became the part of Dayalbagh Educational Institute (Deemed University) in 1981 as Faculty of Science. 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 a focused 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 (M. Sc.) programmes in M. Sc. (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 B. Sc. (Computer Science) Hons., M. Sc. (Comp. Sc.), M. Tech. (Engg. Systems) with specialization in Computer Science. PG Diploma in Computer Science and Applications [PGDCSA], PG Diploma in Big Data, Logistics and Operations Research [PGDBD], Doctor of Philosophy (Ph. D.) programme are available in Botany, Chemistry, Mathematics, Zoology, Physics and Computer Science. The faculty also offers B. Voc. Programmes.

Department of Botany

The Department of Botany was established in 1970 as a part of REI Degree College affiliated to Agra University. It became an independent department of DEI in 1981. It is strongly committed towards Hi-tech research that is relevant to the society, especially the farmers. 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 Environment & Green Technology
- 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 Phyto-Diversity 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 thrust areas of research of the department are Microbiology, Environment and Ecosystem studies, Plant Biotechnology, Plant Tissue Culture, Plant Molecular Biology, Virology, Phycology, Biodiversity Parks and Conservation, Natural Products and Agriculture. The department has well equipped Plant Biotechnology Lab, Dairy Lab: Milk Section, Dairy Lab with a 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, Pant Nagar Uttarakhand, India, Jain Irrigation, Jalgaun, 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.

New Facilities or Laboratories Created

Polyhouses with Fan Pad System, Chlorophyll Meter, Gel Electrophoresis System

Staff Achievements/ Recognition:

- Dr. S.K. Soni was selected as Editorial Board Member for International Journal of Botany Studies-2021.
- Dr. Rajiv Ranjan was selected as Editorial Board Member for Medicinal Plants - International Journal of Phytomedicines and Related Industries and served as Reviewer for Horticulture Research and Molecular Biotechnology Journals.
- Ms. Archita Dixit received DSRFP Fellowship.
- Dr. V. K. Dalal was nominated Editor in the Journal Biochemistry and Molecular Biology.
- Dr. Sharmita Gupta's name was included in Biography India 2022 and she received award for contributing the maximum Chapters in a single book. She received Membership in Council for Teacher's Professional Development.
- Dr. Prem Saran Tirumalai received Membership in Scientific Panel (SP-09), Sampling & Analysis, Scientific Division, Food Safety & Standards Authority of India (FSSAI), Govt of India.

Placements

The following students were selected for Placements

- Ms. Pragati Yadav- UPPSC -TGT-2021
- Manisha Sharma- Indian Forest Service-2021
- Umesh Pratap Singh-Mother Dairy -2021
- Mudit Sharma- Mother Dairy- 2021
- Aman Yadav- Mother Dairy Fruit and Vegetables-2021
- Dr. Nitesh Verma as Lecturer in MPS Group of Institutions

Series organized by IIC 3.0, National Institute of Technology Silchar on 22 September (Session I) and 07 October (Session II), 2021. She also attended Webinar on “COVID-19, OMICRON- A New Challenge for Humanity” organized by Regional Coordinating Institute-Unnat Bharat Abhiyan, Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan) on February 3, 2022. She also attended National Conference on "Traditional Herbs, Medicinal Plants and it's Conservation for Human Health Sustainability" on March 3, 2022 organized by Department of Science, Comp Feeders Aisect College of Professional Studies, Indore M.P., India, sponsored by Madhya Pradesh Council of Science and Technology supported and catalysed by NCSTC DST. GOvt. of India. She also attended special lecture on the topic: Rich Indian Agricultural Heritage: Potential in Meeting the Challenges of Agroecology by Prof. Surendra Pal Singh Beniwal Chairman, Asian Agri-History Foundation, GBP University of Agriculture and Technology, India. She also participated as delegate in VIROCON 2021 held on 26-28 March, 2022. She also attended CME on COVID-19 held on 26 March, 2022 at Sanjay Gandhi Post Graduate Institute of Medical Sciences; IVS American Society of Microbiology. She also attended International e-Conference on Biological Diversity Kheora, Rajouri, Jammu and Kashmir 185131, <https://www.gpgcollegerajouri.ac.in/> Building a Shared Future for All Life on May 22, 2022. She also attended a Webinar on “Empowering knowledge on ethical publishing: Mastering the art of identifying predatory, fake and cloned journals” on June 8, 2022. She also attended webinar on “Food, Planet, Health” on August 20, 2021 organised by Vegan Outreach.

- Jeetendra Singh, Nishi Sharma and S.K. Soni received 4th prize on paper entitled “ Physiological role of natural lipid accumulation in microalgae under saline conditions: An Overview” in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Nishi Sharma, S.K. Soni, Bhopal Singh, and Jeetendra Singh received 3rd Prize on paper entitled “ Preliminary studies for the selection of raw ingredients and processing variables to produce *Tofu* An Overview” in National webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Dr. V. K. Dalal attended 3rd International Webinar on “Plant Science and Molecular Biology”, organized by Coalesce Research Group and Department of Natural Compounds and Nutrition; Plant Science & Molecular Biology, July 29-30, 2021.

Faculty Development Programs

- Dr. Akhilesh Kumar participated in Faculty Induction and the Refresher Course on Guru Dakshta from 02-29 November, 2022 from HRDC, University of Lucknow.
- Dr. Anupam Tiwari has been conferred as the Life Member of Indian Science Congress.
- Dr. Rajiv Ranjan participated in Refresher Course in Life Science and Biotechnology from 28 December, 2021 to 9 January, 2022 organised by HRDC-JNU, New Delhi.
- Dr. Prem Saran Tirumalai participation in International Conference 2022 “GARD Forum: Bridging Technologies and Market Needs” organised by Global Alliance on Rapid Diagnostics (GARD), Michigan State University. He also participated as Member Scientific Panel (SP09) on Sampling & Analysis of Food Safety & Standards Authority of India (FSSAI), Govt. of India.
- Dr. Akhilesh Kumar participated in Refresher Course from 22 September, 2021 to 05 October, 2021 at University of Mumbai.

Research Projects

- Project entitled Maximization of Yield and Quality Traits of Hydroponically Grown Lettuce in the Poly House was granted to Dr. V. K. Dalal funded by DEI Internal Grant, INR 200000/
- Project entitled Socio-economic empowerment of the tribals in the Rajaborari Estate Madhya Pradesh through scientific and technological interventions was granted to Dr. Rajiv Ranjan and Dr. T. Prem Saran as Co-PI's (DST-SEED, Amount 2,19,22,599)

- Project entitled Development of steel slag-based cost-effective eco-friendly fertilizers for sustainable agriculture and inclusive growth was granted to Dr. Akhilesh Kumar as PI and Dr. Rajiv Ranjan as Co-PI (Amount 78.23 Lakh, Ministry of Steel).
- Project entitled Development of agriculture and industrial waste-based formulation to be used as fertilizer for sustainable agriculture was granted to Dr. Akhilesh Kumar (Amount 10 Lakh, Ministry of Steel).

Students Achievements / Seminars/Webinar/Workshop attended

- Ambika Chaturvedi presented a poster on "Potential role of plant and microorganism-based nanoparticles in agriculture disease management" in an International Conference (Hybrid mode) on "NanoVision 2022- Emerging Trends in Nanotechnology and Biotechnology" held on 19th -20th April 2022 sponsored by DST-SERB and Eppendorf India.
- Ms. Himani Parihar secured 1st Position in Poster presentation at the International Conference "2022 GARD Forum: Bridging Technologies and Market Needs" organised by Global Alliance for Rapid Diagnostic (GARD) Michigan University, East Lansing, Michigan, USA.
- Ayushi Singh presented a poster on "Bioremediation of hazardous wastes using green synthesis of nanoparticles" in an International Conference (Hybrid mode) on "NanoVision 2022-Emerging Trends in Nanotechnology and Biotechnology" held on 19-20 April, 2022 sponsored by DST-SERB and Eppendorf India.
- Pooja Saraswat and Nupur Raghav presented paper on Metagenomics Study of Bacterial Communities from Yamuna River water of city of Taj, Agra in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Hunny Waswani and Ambika Chaturvedi presented paper on "In-Silico identification and characterisation of WRKY superfamily in *Capsella rubellain*" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Parul Tyagi presented paper on "Illumina-based whole *De Novo* transcriptome profiling and diosgenin biosynthetic pathways of *Tribulus terrestris*: A medicinal herb" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research On 24 March, 2022.
- Deeksha Singh and Ayushi Singh presented paper on "Effect of Jasmonic Acid and salt stress on physiochemical characteristics of *Zea mays*" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Shivangi Mathur presented paper on "Analysis of flavonoids in different parts of *Boerhaavia diffusa* L." in National webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Shubhangi Singh, Manaswi Rani, Sharmita Gupta presented paper "Bioremediation of Waste Water Using Bokashi Balls – An Overview" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Lovely Singh and Sharmita Gupta presented paper on "An Update of the Alkaloids and their Applications from *Argemone Mexicana* L.: A Review" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Anand Shubha, Gupta Sharmita presented paper on "Latest Developments in Keratin Films And their Applications" in National Webinar on Frontier Areas of Plant, Microbe and Environment Research on 24 March, 2022.
- Pooja Saraswat participated and successfully completed training entitled "Protein Structure Modelling and Dynamics" during 27 - 29 October, 2021 under the project ICAR Consortium Research Platform on Genomics at ICAR-Indian Agricultural Statistics Research Institute, Library Avenue, PUSA, New Delhi.
- Deeksha Singh attended a one-day Certificate Course and hand-on session under the workshop entitled "Bridging course for working in Bioinformatics Laboratories" organized by Sri Aurobindo College, University of Delhi held on 22 April, 2022. She also attended Webinar on "Air Quality Management and Sustainability" organized by Department of Chemistry, Faculty of

- Science, Dayalbagh Educational Institute, Agra on June 3, 2022. She also attended International Conference on “Only One Earth-Environment and Sustainable Agriculture” organized by VIT School of Agricultural Innovations and Advanced Learning (VAIAL), Vellore Institute of Technology, Vellore on June 4 and 5, 2022. She also attended 5 days’ workshop on “Data analysis using Python” held from 14 to 19 June, 2022. She also attended International Webinar on “Translational Genomics in Soyabean: How genomic information can be made relevant to breeders” held on June 27, 2022.
- Shivangi Mathur attended a One-day Certificate Course and hand-on session under the workshop entitled “Bridging course for working in bioinformatics laboratories” organized by Sri Aurobindo College, University of Delhi held on 22 April, 2022. She also attended International Live Interactive Webinar on “The Memory of Trees: Molecular insights in priming and increased stress tolerance.” held on 28 April, 2022. She also attended The Plant Cell Webinar: Highlighting Focus Issue “Plant Biotic Interaction” held on 17 May, 2022. She also attended Webinar on “Air Quality Management and Sustainability” organized by Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Agra held on June 3, 2022. She also attended International Conference on “Only One Earth -Environment and Sustainable Agriculture” organized by VIT School of Agricultural Innovations and Advanced Learning (VAIAL), Vellore Institute of Technology, Vellore held on June 4-5, 2022. She also attended 5 days’ Workshop on “Data analysis using Python” held from 14-19 June, 2022. She also attended International Webinar on “Translational genomics in soyabean: How genomic information can be made relevant to breeders” held on June 27, 2022.
 - Dr. Vikas Verma attended the Plant Cell Webinar: Highlighting Focus Issue “Plant Biotic Interaction” held on 17 May 2022. He also attended ICAR sponsored Training Program on “Appropriate sampling techniques including sample preparation and preservation for soil, water, plant and air samples held from 2-7 August, 2021. He participated in JASM 2022 entitled “*Biogeochemical characterization of upland and wetland soils of Old Bridge, NJ, USA*” held on May 17, 2022 for an improved ecosystem stability and sustainability.
 - Hunny Waswani attended an International Workshop ICGEB-DBT on “Synthetic Biology of photosynthetic organisms to produce value added products – SynBio22” from June 17 – 24, 2022 at ICGEB, New Delhi Component. She also attended One-day Certification Course and the Hands-on session in Workshop entitled "Bridging Course for working in Bioinformatics Laboratories", alongside successfully installing QIIME and learning basics of UBUNTU in a three- and half-hour session on 22 April, 2022. She also attended Hands-on learning on Identification of Biomarker using Transcriptome Data Analysis Approach in Diseased State” held from 9 to 15 April, 2022. She also participated and successfully completed training entitled “Protein Structure Modelling and Dynamics” during 27-29 October 2021 under the project ICAR Consortium Research Platform on Genomics at ICAR-Indian Agricultural Statistics Research Institute, Library Avenue, PUSA, New Delhi. She also attended Webinar on Regulatory Framework for Vaccines organized by Biocon and Biotecnika Info Labs Pvt Ltd. on 23 August, 2021. She also participated in the online Webinar on “Precision Farming for Pomegranate using IoT” on 15 August, 2021. She also attended six days Webinar series on 3D Bioprinting organized by Altem Technologies & Biotecnika Info Labs Pvt Ltd. 21 July, 2021. She also got selected for DST Inspire fellowship.
 - Priyanka Chaturvedi, Himani Parihar, Manisha Sharma participated in the International Conference on "2022 GARD Forum: Bridging Technologies and Market Needs" organised by Global Alliance for Rapid Diagnostic (GARD) Michigan University, East Lansing, Michigan, USA. They also participated in the two-day 12th Indian Probiotic Symposium on “Good Microbiome, Probiotics and Good Health - The Evidence Gets Stronger” organized by Gut Microbiota and Probiotic Science Foundation (India), hosted by Amity University, Gurugram & Medanta Institute of Education & Research. They also attended one Day online Workshop on “Bacterial Genome Identification, Sequencing and Characterization” organized by Center for Innovation in Infectious Disease Research, Education & Training (CIIDRET) and Theomics

International Private Limited, Bengaluru with Delhi School of Skill & Enhancement & Entrepreneurship Development (DSSEED, IoE) They also attended a one month vocational training on "Industrial Training on Modern Analytical Techniques viz., GC-MS, LC-MS and ICP-MS" from 6 June to 5 July 2022 in Central Lab of Patanjali Food and Herbal Park (P) Ltd, Padartha, Hardiwar, Uttarakhand.

- Krishan Kant attended World Environmental Day 2021-International Dialogue on Ecological Restoration 5 June, 2021 under the Aegis of International Consortium organized Department of Environment Sciences, M. L. Sukhadia University, Udaipur, and Agrawal Kanya Mahavidyalay, Gangapur city Rajasthan. He also attended World Environment Day 2021 Celebration, WED Seminar on Environmental Restoration and Circular Economy 12 June 2021. He also attended webinar on Guidelines for addressing Resource Efficiency, Secondary Raw Materials & Circular Economy in Industries 24 June, 2021 organized by International Society of Waste Management Air and Water (ISWMAW), Centre for Sustainable Development and Resource Efficiency Management, Jadavpur University (CSD&REM, JU) India. He also attended International Webinar on Nature and Human interrelationship wrt Ecological Restoration on 26 June, 2022 organized by Dept. of Zoology Sanatan Dharm Government College, Beawar and Agrawal Kanya Mahavidyalay, Gangapur city Rajasthan. He also attended E-Workshop on 'Current Challenges in Promotion and Protection of Intellectual Property Rights' held on 21 October, 2021.
- Shalu Gupta presented poster at UGC-SAP Sponsored IV National Seminar-cum-Webinar "Frontier Areas of Plant, Microbes and Environment Research" organized by Dayalbagh Educational Institute (Received 4th prize), 24 March, 2022. She also presented poster at National Seminar on Environmental issues and Sustainable Development (EISD-2022) organized by S.S Jain Subodh College Excellence Sitapur, Jaipur (received 3rd prize) on 26 March 2022. She also attended International Short term training Program-2 on impact and panacea of Environmental Pollution 26-28 April, 2022. She also attended one day Certificate Course and the hands-on session in offline mode organized by Department of Botany at "SRI AUROBINDO COLLEGE" and the Workshop titled "Bridging Course for working in Bioinformatics laboratories" on 22 April 2022.

Publications

- Shekhar S, Singh R. P., Kumar A., 2021. *Pedaliium murex* L.: Botany, ethnobotany, phytochemistry, Pharmacology, Propagation and Cultivation of an underutilized plant genetic resource of industrial value. *International Journal of Botany Studies* 6: 1449-1454 ISSN: 2455-541X.
- Kumar A., Tewari D. D., Mishra A, 2022. Ethno-medicinal wealth of Devi Patan division, Utter Pradesh. *International Journal of Botany Studies* 7: 443-447 ISSN: 2455-541X.
- Mathur S., Singh D., Ranjan R., 2022. Remediation of Heavy Metal(loid) Contaminated Soil through Green Nanotechnology, *Frontiers Sustainable Food Systems Production*.
- Tyagi P. and Ranjan R. 2022. Phytochemical Screening of all Active Components and Thin Layer Chromatography (TLC) Profiling of Diosgenin of All Parts of *Tribulus terrestris* and *Pedaliium murex*. *Zeichen Journal*, 8, 387-403.
- Tyagi P. and Ranjan R. 2021. Comparative study of the pharmacological, phytochemical and biotechnological aspects of *Tribulus terrestris* Linn. and *Pedaliium murex* Linn: *Acta Ecologica Sinica: An Overview*.
- Gupta D., Sharma G., Saraswat P., Ranjan R. 2021. Synthetic Biology in Plants, a boon for coming decades. *Molecular Biotechnology*, <https://doi.org/10.1007/s13237-021-00353-4>
- Saraswat P. and Ranjan R. 2021. CRISPR-Cas system: a precise tool for plant genome editing. *Nucleus*.
- Dalal, VK, Dhawal P., Biswal A., Rajagopal, S., Raghavendra A.S. 2022. In vitro stability of various enzymes by proline from H₂O₂ mediated oxidative damage, *Indian Journal of Biochemistry and Biophysics*. 59 (1), 111-125; ISSN 0975-0959.

- Phurailatpam L, Dalal VK, Singh N and Mishra S 2022. Heavy Metal Stress Alleviation through Omics Analysis of Soil and Plant Microbiome. *Front. Sustain. Food Syst.* 5:817932; ISSN-2571581X.
- Dalal VK 2022. Transcriptome of Laser Micro Dissected Tissue from SAM of Tomato Reveals Genes Responsible for Chloroplast Biogenesis, *Int J Agri Res Env Sci* 2 (2), 1-6.
- Yachana Jha, Budheswar Dehury, SP Kumar, Anurag Chaurasia, Udai B Singh, Manoj Kumar Yadav, UB Angadi, Rajiv Ranjan Minaketan Tripathy, RB Subramanian, Sunil Kumar, Jesus Simal-Gandara 2021 Delineation of molecular interactions of plant growth promoting bacteria induced β -1,3-glucanases and guanosine triphosphate ligand for antifungal response in rice: a molecular dynamics approach. *Molecular Biology Reports*.
- Ali A., M Masroor A Khan M Naeem Abid Ali Ansari 2021. Pre-sowing seed treatment of carrageenan oligomers promotes seed germination of *Eucalyptus citriodora* Hook. *International Journal of Botany Studies* 06: 938-943 ISSN: 2455-541X
- Singh, G., Patel, A., Tiwari, S., Gupta, D., & Prasad, S. M. 2022. Signaling molecules hydrogen sulfide (H₂S) and nitric oxide (NO): role in microalgae under adverse environmental conditions. *Acta Physiologiae Plantarum*, 44(7), 68.
- Pandey, N., Patel, A., Tiwari, S., & Prasad, S. M. 2022. Differential response of copper nanoparticles and ionic copper on growth, chlorophyll fluorescence, oxidative stress, and antioxidant machinery of two paddy field cyanobacteria. *Ecotoxicology*, 31(6), 933-947.
- Patel, A., Tiwari, S., & Prasad, S. M. 2021. Arsenate and arsenite-induced inhibition and recovery in two diazotrophic cyanobacteria *Nostoc muscorum* and *Anabaena* sp.: study on time-dependent toxicity regulation. *Environmental Science and Pollution Research*, 28(37), 51088-51104.
- Tiwari, S., Patel, A., & Prasad, S. M. 2021. Auxin and Cytokinin Alleviate Chromium-Induced Oxidative Stress in *Nostoc muscorum* and *Anabaena* sp. by Modulating Ascorbate–Glutathione Cycle. *Journal of Plant Growth Regulation*, 1-16.
- Mishra, R. K., Tiwari, S., Patel, A., & Prasad, S. M. 2021. Arsenic contamination, speciation, toxicity and defense strategies in plants. *Brazilian Journal of Botany*, 44(1), 1-10.

Book Chapters

- Aymen, U., Khan, M., Patel, A., Tiwari, S., Raju, A. D., Prasad, S. M., Singh R., Parihar, P. (2022). Stress-inducible Proteins and their Roles under Heavy Metal Stress. In *Heavy Metals in Plants Physiological to Molecular Approach* (pp. 323-353).
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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 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.

- B.Sc. (Hons) Chemistry

- M.Sc. Chemistry
- M.Phil.
- Ph.D.

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 21st 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, 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, UV-Visible Spectrophotometer, Potentiostat, Carbon Analyser, Online Ozone, NO_x and CO Analysers, Atomic Force Microscope, GC-MS, Raman Spectrometer, Table-top SEM, Spray Pyrolyzer, Electrochemical Work station, Cluster Computer, Weather Station, Zeta sizer, ICP-OES, Fluorescence Spectrophotometer, Thermogravimetric Analyzer and Differential Scanning Calorimeter and several air sampling equipment's.

Achievements/Awards/ Recognition

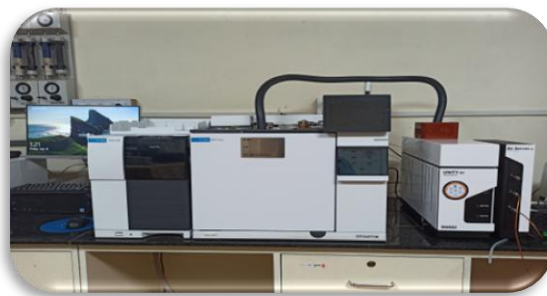
- Ms. Neelam Baghel won the 2nd Prize for the presentation of paper entitled Air Quality Impact and Characteristics of Volatile Organic Compounds, PM_{2.5} and Trace Gases (CO, NO_x) and Formation of Tropospheric Ozone during the Diwali Festival at Sub-Urban site, Agra, authored by Neelam Baghel, Sonal Kumari, Anita Lakhani, K. Maharaj Kumari in the World Environment Summit (WES-2021) held at India International Center, New Delhi from October 1-3, 2021.
- Ms. Gunjan Goswami won the 3rd prize in World Environment Summit – 2021 (WES-2021) held from 1-3 October 2021 at India International Centre, New Delhi for paper entitled Impact of Covid-19 on concentration of PM_{2.5} and changes in Air Quality in Agra, authored by Gunjan Goswami, K. Maharaj Kumari and Anita Lakhani.
- Ms. Richa Sharma received Best Paper Presentation Award in the National Conference on Multidisciplinary Research & Practice (NCMRP-2021) organized by Koshambi Foundation, India in Association with Dr. Bhimrao Ambedkar University, Agra from November 12-14, 2021.
- Ms. Kirti Singh was in the top 5 Winners in the Quiz Competition organised by IITM- Environmental Information Resource Partner to observe the “ational Pollution Control Day – 2021 at IITM, Pune on December 2, 2021.
- Ms. Neelam Baghel won the 1st Prize for the presentation of paper entitled Short Term Variability on Air Quality: Impact of Volatile Organic Compounds, PM_{2.5} and Trace Gases (CO, NO_x and O₃) during Diwali Festival” authored by Neelam Baghel, Aparna Satsangi, Sonal Kumari, Anita Lakhani and K. Maharaj Kumari at the 6th Indian International Conference on Air Quality Management (IICAQM 2021) held at IIT Guwahati from December 16-18, 2021.
- Ms. Surat Dewan was awarded an appreciation certificate for being in top 30 in "World Ozone Day 2021"- Online Quiz Competition by Indian Institute of Tropical Meteorology, Pune.

New Facilities Created

- Field Emission Scanning Electron Microscope (FE-SEM) worth Rs. 2.0 Crore was procured from M/s Jeol, Japan from MNRE Research Grants of the Project on PEC splitting of water for hydrogen generation lead by Prof. Sahab Dass (HOD) and Co-PIs Prof. Rohit Shrivastav and Prof. Vibha Rani Satsangi (HOD, Dept. of Physics and Computer Science). This equipment has the capability of magnifying objects up to 50- 60 lakh times with a resolution of 0.6 nm.



- Thermal Desorption Unit (TDU) worth Rs. 35 lakhs was procured under the FIST grant. It is hyphenated to GC-MS. This combined unit enables simultaneous sampling and analysis of volatile organic compounds present in the gas phase.



Projects Sanctioned

- Project entitled “Socio-economic Empowerment of the Tribals in the Rajaborari Estate Madhya Pradesh through Scientific and Technological Interventions” worth Rs. 2.19 Crore was sanctioned to Prof. Anita Lakhani (PI, Dept of Chemistry), Dr. T. Prem Saran and Dr. Rajeev Ranjan (Co-PIs, from Dept of Botany) for a period of 3 years by the Science for Equity Empowerment and Development Division (SEED), Department of Science and Technology, Technology Bhavan, New Delhi.

FIST (Fund for Improvement of S&T Infrastructure) MID-TERM REVIEW Presentation

The Department made the first MID-TERM REVIEW Presentation of its Progress achieved under the FIST Support (Rs. 1.27 Crore) on July 20, 2021.

Ongoing Research Projects

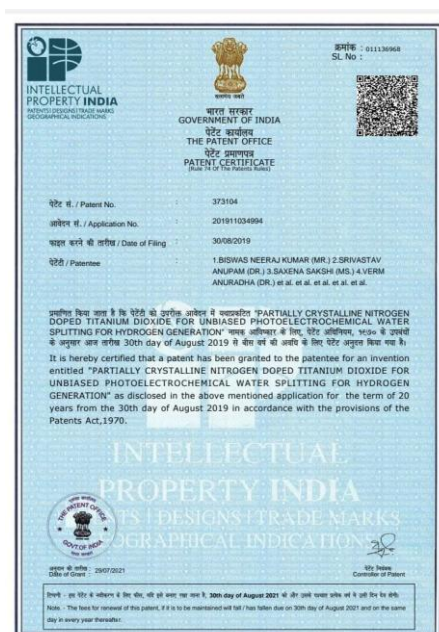
- The Department was sanctioned the FIST Grant worth Rs. 1.30 Crore by DST for the period 2018-2022. In this grant, the department was sanctioned an Equipment grant to procure instruments like DTA-DSC, ICP-AES, and Thermal Desorption Unit along with an Infrastructure and Maintenance Grant.
- Project entitled Studies on novel semiconductors towards increasing the efficiency of Photo-electrochemical (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).
- 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.
- Project entitled Development of low-cost sensors for monitoring of odours in ambient air under IMPRINT IIC has been sanctioned to Dr. Ranjit Kumar as Co-PI with Dr. Mahesh Kumar, PI and Dr. Satyajit Sahoo, Co-PI from Indian Institute of Technology, Jodhpur worth Rs. 126 Lakhs for the period 2019-2022.

Patents

- An Indian patent was granted to staff and research students of Chemistry Department led by Prof. Sahab Dass (HOD) on “Hydrogen Production Using Highly Crystalline ZnO for Photoelectrochemical Water Splitting” on 25 October, 2021 for a term of 20 years from 11 December, 2020 in accordance

with the provisions of the Patents Act, 1970 to Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Anamika Banerjee, Kumari Asha, Vibha Rani Satsangi, Rohit Shrivastav and Sahab Dass.

- An Indian patent has been granted to Dayalbagh Educational Institute on “A Process for the Decontamination of Toxic Heavy Metal's Polluted Water” on 29 November, 2021 for a term of 20 years from 5 October, 2007 in accordance with the provisions of the Patents Act, 1970.
- An Indian patent has been granted to Neeraj Kumar Biswas, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Anamika Banerjee, Kumari Asha, Vibha Rani Satsangi, Rohit Shrivastav, Sahab Dass Partially Crystalline Nitrogen Doped Titanium Dioxide For Unbiased Photo-electrochemical Water Splitting For Hydrogen Generation (No. 373104) on 29 August, 2021 for a term of 20 years from 30 August, 2019.



Seminar/Symposia/Conference/Webinar Organized

- A Webinar on Air Quality Management and Sustainability was organized on 5 June, 2021 to commemorate ‘World Environment Day’ on a virtual platform with the aim of better understanding the role of socio-ecological systems, with special reference to Dayalbagh lifestyle and adapting, restructuring and developing into more desirable configurations to improve overall sustainability and better prepare society to deal with climate change in the future. The Webinar covered a wide range of air quality monitoring, impact assessment and sustainable solutions.

Seminar/Symposia/Conference/Webinar Attended

- Dr. Aparna Satsangi attended online Workshop on “Designing and Development of e-Resources for Teaching and Learning” DRTL-Part I, 22-24 June 2021; Organized by Department of Computer Science and Department of Chemistry, Rajdhani College, University of Delhi.
- Dr. Aparna Satsangi attended online Workshop on “Designing and Development of e-Resources for Teaching and Learning” DRTL-Part II, 23-24 July 2021; Organized by Department of Computer Science and Department of Chemistry, Rajdhani College, University of Delhi

- Ms. Surat Dewan presented a poster entitled OPTIMISATION OF PARAMETERS IN BIOHYDROGEN PRODUCTION FROM AGRICULTURAL WASTES in Conference organised by Nature on Sustainable Solutions for Pollution Control held from April 28-29, 2021. It was one of the seven abstracts accepted for presentation.
- Ms. Surat Dewan participated in "Youth dialogue - Reimagine, Restore and Recreative for clean air in your city" organised by Clean Air Asia on 5-June 2021.
- Ms. Surat Dewan also completed the Journal Citation Reports Certification Series 2021 on 8 July 2021.
- Ms. Kirti Singh Research Scholar was selected as a Youth Panelist for Clean Air Asia held on 5th of June, 2021 on the topic "Reimagine, Restore and recreate for the clean air in your city".
- Ms. Jyoti Kushwaha and Dr. Radhika Singh presented a paper entitled, "Applications of Density Functional Theory" in the International Virtual Conference on Frontiers in Chemical Sciences on 25th June 2021.
- Ms. Sakshi Saxena attended One Week National e-Workshop on "Innovation & Intellectual Property Rights" organized by Innovative Technology Enabling Centre (InTEC), CSIR, IMMT, Bhubaneswar during 14-19, June 2021.
- Ms. Bhanupriya presented a poster on "Effect of Sintering Temperature on the growth of BiFeO₃ thin films for possible use in water splitting" during the virtual poster session of "8th Interdisciplinary Symposium on Material Chemistry (ISMC-2020)" organized by Chemistry Division, BARC, Mumbai & Society for Material Chemistry during 17-19 June, 2021.
- Ms. Kumari Ruchi attended the conference of "8th Interdisciplinary Symposium on Material Chemistry (ISMC-2020)" organized by Chemistry Division, BARC, Mumbai & Society for Material Chemistry during 17-19 June, 2021.
- Ms. Yakshi Sharma (M.Sc. Student) successfully completed Skill Development Training Program on Energy Materials- Fundamentals to Device Fabrication (ECPE) through virtual mode by CSIR Electrochemical Research Institute, Karaikudi from 21.6.21-25.6.21.
- Mr. Ayush Kumar Sharma (M.Sc. student) successfully completed Skill Development Training Program on Energy Materials- Fundamentals to Device Fabrication (ECPE) through virtual mode by CSIR Electrochemical Research Institute, Karaikudi from 21.6.21-25.6.21. He also participated in a web-based Chemistry Orientation Workshop on Competitive Examination (COWCE-21) with test series during March 6-14, 2021 conducted by INDIAN NATIONAL YOUNG ACADEMY OF SCIENCES (IN YAS) & ASSOCIATION OF CHEMISTRY TEACHERS (ACT).
- Ms. Priya Kumari participated in the National Conference on Nucleic acid Science & Technology (NCNST 2021), organized by CSIR Institute of Minerals and Materials Technology, Bhubaneswar, India during August 10-13, 2021.
- Ms. Priya Kumari participated in Oral Presentation at 5th World Congress on Drug Discovery and Development organized by ARJYOPA HEALTHCARE during September 25 & 26, 2021.
- Ms. Surat Dewan participated in the International Conference on Sustainability Education on September 9-10, 2021.
- Ms. Surat Dewan participated and presented a poster in 16th International Global Atmospheric Chemistry Scientific Conference from September 12-20, 2021.
- Gunjan Goswami, Neelam Baghel, K. Maharaj Kumari and Anita Lakhani presented poster on Impact of PM₁₀ and PM_{2.5} on air quality during Diwali festival at Agra in Frontiers in Geosciences Research Conference (FGRC), held at Physical Research Laboratory, Ahmedabad on 27-28 September, 2021.
- Isha Goyal, K. M. Kumari and Anita Lakhani presented a paper on Comparative study of PM_{2.5} diminution and haze events over Delhi and Agra during the COVID-19 lockdown period in the Frontiers in Geosciences Research Conference held at Physical Research Laboratory, Ahmedabad on 27-28 September, 2021.

- Isha Goyal, K. Maharaj Kumari and Anita Lakhani presented a paper on Oxidative Potential (OP) and risk assessment of PM_{2.5} bound trace metals collected during foggy and non-foggy episodes at a site in the Indo-Gangetic Plain in the 16th IGAC Scientific Conference 2021.
- Gunjan Goswami, Neelam Baghel, K. Maharaj Kumari, Anita Lakhani presented paper on Impact of Covid-19 on concentration of PM_{2.5} and changes in air quality in Agra in World Environment Summit (ESDA) 2021 at New Delhi on 1-3 October, 2021.
- Kirti Singh, Aparna Satsangi presented a paper on Indoor air chemistry of PM_{2.5} and its relation with outdoor environment, in International Symposium on Tropical Meteorology (INTROMET) on Changing Climate Consequences and Challenges hosted by Cochin University of Science and Technology on November 23-26, 2021.
- Isha Goyal, K. M. Kumari and Anita Lakhani presented a paper on Oxidative Potential and risk characterization of heavy metals in PM_{2.5} during haze and non-haze periods at a site in the Indo-Gangetic Plain in the World Environment Summit, 2021.
- Isha Goyal, K. M. Kumari and Anita Lakhani presented a paper on Real-time measurement of fine particle associated Oxidative Potential using Dithiothreitol assay in Agra during COVID-19 lockdown period in the International Symposium on Tropical Meteorology “Changing Climate: Consequences and Challenges (C4-'21)”.
- Gunjan Goswami, Neelam Baghel, K. Maharaj Kumari, Anita Lakhani presented poster on Relationship between PM_{2.5} and meteorological factors (Temperature, Wind Speed and Relative Humidity) and its seasonal variation in Agra in International Symposium on Tropical Meteorology (INTROMET) on Changing Climate Consequences and Challenges hosted by Cochin University of Science and Technology on November 23-26, 2021.
- Gunjan Goswami, K. Maharaj Kumari, Anita Lakhani participated online International Conference Applied Chemistry: Exploring Futuristic Applications for Sustainable Development 26-28 October, 2021 held at Isabella Thoburn College, Lucknow.
- Gunjan Goswami and Anita Lakhani presented paper in International Conference on Promoting Environmental Technologies for Waste Management and Sustainable Development (WMS-D2021) 12-13 December, 2021.

Publications

- Verma, P. K., Sah, D., Satish, R., Rastogi, N., Kumari, K. M., & Lakhani, A. (2022). Atmospheric chemistry and cancer risk assessment of Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro-PAHs over a semi-arid site in the Indo-Gangetic plain. *Journal of Environmental Management*, 317, 115467.
- Kumari, D., & Singh, R. (2022). Rice straw structure changes following green pretreatment with petha wastewater for economically viable bioethanol production. *Scientific Reports*, 12(1), 10443.
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- Biswas, Neeraj Kumar, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Vibha Rani Satsangi, Rohit Shrivastav, and Sahab Dass, (2022). Role of varying ionic strength on the photoelectrochemical water splitting efficiency. *Solar Energy*, 247, 543-552.
- Biswas, Neeraj Kumar, Anupam Srivastav, Sakshi Saxena, Anuradha Verma, Runjhun Dutta, Manju Srivastava, Sumant Upadhyay, Vibha Rani Satsangi, Rohit Shrivastav, and Sahab Dass, (2022). N-TiO₂ crystal seeds incorporated in amorphous matrix for enhanced solar hydrogen generation: Experimental & first-principles analysis. *International Journal of Hydrogen Energy*, 47(53), 22415-22429.
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nanostructured partially crystalline Nitrogen-doped Titanium Dioxide thin films in photoelectrochemical water splitting. *Results in Chemistry*, 4, 100675.

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- Saxena, S., Verma, A., Asha, K., Biswas, N. K., Srivastav, A., Satsangi, V. R., Shrivastav, R., Dass, S. (2022). BiVO₄/Fe₂O₃/ZnFe₂O₄ triple heterojunction for an enhanced PEC performance for hydrogen generation. *RSC advances*, 12(20), 12552-12563.
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- Srivastav, Anupam, Neeraj Kumar Biswas, Sakshi Saxena, Anuradha Verma, Abhishek Srivastava, Rohit Shrivastav, and Sahab Dass. (2022). Plasmonic Layer-assisted Solar Water Splitting in Titania Based Photoanodes. *Plasmonics*, 17(5), 1939-1946.
- Verma, Anuradha, Sakshi Saxena, Neeraj Kumar Biswas, Anupam Srivastav, Udai Bhan Singh, Saif A. Khan, Rohit Shrivastav, Devesh Kumar Avasthi, and Sahab Dass. (2022). Fabrication and Characterization of Plasmonic Au Nanoparticles on ITO-Coated Glass Sheets. *Plasmonics*, 17(5), 2141-2151.
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- Ansari, S., Ansari, M. S., Satsangee, S. P., & Jain, R. (2021). Bi₂O₃/ZnO nanocomposite: Synthesis, characterizations and its application in electrochemical detection of balofloxacin as an anti-biotic drug. *Journal of Pharmaceutical Analysis*, 11(1), 57-67.
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- Gautam, Alok Sagar, Sanjeev Kumar, Sneha Gautam, Aryan Anand, Ranjit Kumar, Abhishek Joshi, Kuldeep Baudhdh, and Karan Singh. (2021). Pandemic induced lockdown as a boon to the Environment: trends in air pollution concentration across India. *Asia-Pacific Journal of Atmospheric Sciences*, 57(4), 741-756.
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- Kumari, S., Baghel, N., Lakhani, A., & Kumari, K. M. (2021). BTEX and formaldehyde levels at a suburban site of Agra: Temporal variation, ozone formation potential and health risk assessment. *Urban Climate*, 40, 100997.
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- M.S. Sengar, S. Saxena, S.P. Satsangee, R. Jain, "Silver Nanoparticles Decorated Functionalized Multiwalled Carbon Nanotubes Modified Screen Printed Sensor for Voltammetric Determination of Butorphanol". *Journal of Applied Organometallic Chemistry*, 2021, 1, 95-108.

- M.S. Sengar, S. Saxena, S.P. Satsangee, R. Jain (2021). CuO Decorated Polyaniline Nanocomposite Based Sensor for the Electrochemical Determination of an Opioid Analgesic. *Ionics*.
- Kumari, S., Lakhani, A., & Kumari, K. M. (2021). Variation of carbon monoxide at a suburban site in the Indo-Gangetic Plain: Influence of long-range transport from crop residue burning region. *Atmospheric Pollution Research*, 101166.

Department of Mathematics

The department aims at providing the students a comprehensive foundation in Mathematics, increase their employment potential and to undertake meaningful research. 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:

- Computational Methods to M. Tech. students of Engineering
- Engineering Mathematics to B. Tech students of I, II & III Year of Engineering
- VRE Engineering Mathematics to VRE students of Engineering
- Mathematics to students Arts/Social Sc. B.A./B.Sc.
- 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 software's like MATLAB 7.0 10 user license with symbolic math and statistics toolbox and Systat 9.0. The other equipment's 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, Member, Expert Committee Faculty Selection, ABV- Indian Institute of Information Technology & Management, Gwalior, Reviewer, Project Proposal, Research Council of Sultanate of Oman, Reviewer, IEEE Transactions on Evolutionary Computations, Reviewer, IEEE Access, Resource Person - UGC National workshop on “Evaluation Reforms in Higher Education” at Hyderabad during July 2019.

Achievements

- Shambhu Sharma got membership of American Mathematical Society. He got another membership of The Indian Mathematical Society. Also, he got membership of The Indian Science Congress. He procured the membership of Operational Research Society India (ORSI). Also, he got another membership of System Society of India (SSI).
- Kamal Srivastava was invited as the Guest Editor for the Special Issue on Metahueristics, Expert Systems in 2021.
- Kamal Srivastava got a chance as a Reviewer in Computers & Operations Research, Elsevier in 2020.
- Kanha Bindal was awarded the PG Scholarship for university rank holders sanctioned from UGC for the session 2021-22.
- Aditi Singh received Student Travel Award from Society for Industrial & Applied Mathematics (SIAM) for the session 2021-22.
- Deepanshi Goyal qualified GATE and got funded by IITS on behalf of Department of Higher Education for the session 2021-22.
- Yogesh Kumar qualified GATE and got funded by IITS on behalf of Department of Higher Education for the session 2021-22.
- Mohammad Aakib qualified IIT JAM and got funded by IIT Roorkee for the session 2021-22.
- Vikas Sarendhi qualified IIT JAM and got funded by IIT Roorkee for the session 2021-22.
- Nayan Jain qualified IIT JAM and got funded by IIT Roorkee for the session 2020-21.
- Yogesh Kumar qualified IIT JAM and got funded by IIT Roorkee for the session 2020-21.
- Dr. Suchi Sharma completed online Faculty Induction Programme, 7th Sept-12th Oct, 2021 from UGC-HRDC, AMU, Aligarh.
- Dr. Nivedita Sharma completed five days FDP on Computational oriented Numerical Analysis from 23 August, 2021 to 27 August, 2021 at Samrat Ashok Technological Institute by AICTE (ATAL) Academy.
- Dr. Nivedita Sharma has completed modules by AICTE NITTT
Module 1 Orientation towards technical education and curriculum aspects
Module 2 Professional ethics and sustainability
Module 3 Communication skills, modes and knowledge dissemination.

Placements

- Akansha Kumari got placement in State Bank of India as a Junior Associate in 2021-22.
- Deeksha Jethnani got a placement as a junior Associate with the package of 7 lakhs per annum in United Technologies Corporation India Private Limited.
- Prachi Garg got placed as an Editing Associate in Oswaal Publications with the package of 2.4 lakhs per annum in 2021-22.
- Deepanka Bajaj got placement in Euronext Solutions as a Software Engineer with the annual package of 6 lakhs.

- Kanika Jain placed as a Software Intern in Cadence with the annual package of 4.8 lakhs in 2021-22.
- Shahbaz got an opportunity as an Academic Specialist in BYJU's with the package of 6 lakhs per annum.
- Shubham Singh placed as Assistant Director in UP Government Services with the government pay scale.
- Aditi Singh got placement as an Assistant Professor through Uttar Pradesh Higher Education Services Commission in year 2021-22.
- Pushkar Singh got placement as an Assistant Professor through Uttar Pradesh Higher Education Services Commission in year 2021-22.
- Ram Asrey Rajput placed as an Assistant Professor through Uttar Pradesh Higher Education Services Commission in year 2021-22.
- Pinky Lavania got placement as an Assistant Professor through Uttar Pradesh Higher Education Services Commission in year 2021-22.
- Mohit Kumar Baghel appointed as Statistical Officer by Uttar Pradesh Public Service Commission.
- Anchal Garg got position of Assistant Grade III in Food Corporation of India in 2021-22.
- Eti Goyal appointed as Assistant Professor by Uttar Pradesh Public Service Commission in Government Inter College, UP.
- Ritu Singh was appointed as Post Graduate Teacher in Uttar Pradesh Education Services Selection Board, Allahabad.
- Kanchan Gupta appointed as Junior Associate in Randstad India Private Ltd, Randstad with the annual package of 3.5 lakhs.

Conferences/ Seminars/ Workshops Attended

- Nivedita Sharma attended Atal FDP on Computational oriented methods for partial differential equations held from 23-27 August, 2022.
- Suchi Agarwal attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Application of Computers in Biology" held at Galgotias University from 7-11 June, 2021.
- Suchi Agarwal attended National Level Online FDP on "Number Theory and its applications" at Gates Institute of Technology from 14-19 June, 2021.

Publications

- Agrawal, G., Sinha, S. (2021). Separation Axioms of the Space of Endless Causal Curves. PARITANTRA Journal of Systems Science and Engineering, 26(1).
- Pradeep Kumar, Sharma, S. (2021). Allocation of flights to land at the terminals of an airport, Journal of Physics Conference Series, Ser. 1714 012034.
- Lawaniya, P., Sinha, S., & Kumar, R. (2021). Effect of pollution on predator-prey systems, International journal of Dynamical Systems and Differential Equations, 11, 359-377.
- Kumar, R., Singh, Y. H. (2021). Armless delay in mutualist, prey and predators systems, GJPAM, 17, No. 1, 79-88.
- Khandelwal, A., Gursaran, Srivastava, K. (2021). On Roman Domination of Graphs Using a Genetic Algorithm, Advances in Intelligent Systems and Computing book series, (AISC, volume 1227), ISSN :2194-5365.

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- Kumar, P., Sharma, S. (2021). Allocation of flights to land at the terminals of an airport, Journal of Physics Conference Series, Ser. 1714 012034.
- Kaur, G., Sharma, S. (2021). Analysis on Transportation Problem with Mixed Constraints using Dual Modal, The International journal of analytical and experimental modal analysis, 13 (1), 253-257.
- Swati Agarwal, Shambhu Sharma., More-for-Less Paradox in Time Minimization Transportation Problem with Mixed Constraints, American Journal of Mathematical and Management Sciences, 2022 DOI: 10.1080/01966324.2022.202730.
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- Agrawal, G., Deepanshi, (2022). Fundamental Group of Minkowski Space with Fine Topology, Reports on Mathematical Physics.
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- Kardam, Y.S., Srivastava, K., Jain, P., Marti, R. (2022). Scatter Search for the Minimum Leaf Spanning Tree Problem, Computers & Operations Research, 145,105858.
- Agarwal, S., Sharma, S. (2022). More-for-Less Paradox in Time Minimization Transportation Problem with Mixed Constraints. American Journal of Mathematical and Management Sciences.
- Kardam, Y.S., Srivastava, K., Marti, R. (2022). General Variable Neighborhood Search for the Minimum Stretch Spanning Tree Problem, Optimization Letters.
- Jain, P., Marti, R. (2022). Scatter Search for the Minimum Leaf Spanning Tree Problem, Computers & Operations Research, 145,105858.
- Kardam, Y.S., Srivastava, K., & Marti, R. (2022) General Variable Neighborhood Search for the Minimum Stretch Spanning Tree Problem, Optimization Letters.

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. Vibha Rani Satsangi. There are 8 Professors, 3 Associate Professors and 8 Assistant Professors and 5 Guest Faculty 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
- B.Voc. Telecommunications
- 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

New Programmes Introduced

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, Graph Theoretic Quantum Systems Modeling for Information Processing Circuits, 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, Department of Computer Science, University of Calgary, Alberta, Canada, Northeastern University, USA, The University of British Columbia, Okanagan Campus, 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, and Indigenously Designed Remote Triggered – Analog Communication Electronics (RT-ACE) Lab., IOT lab and a 5G Laboratory.

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

Achievements

- Prof. Sukhdev Roy was awarded the Distinguished Alumni award by DEI in 2021.
- Dr. P. S. Sudhish was awarded the Rajkumar Varshney award by the Systems Society of India in 2021.
- Mr. Himanshu Bansal was awarded the Best Paper Presentation Award in the "National Systems Conference (NSC 2021)" Conference organized by Dayalbagh Educational Institute in association with Systems Society of India, May 2021.
- Ms. Binagi Binathi was awarded the Best Paper Presentation Award in the "National Systems Conference (NSC 2021)" Conference organized by Dayalbagh Educational Institute in association with Systems Society of India, May 2021.
- Ms. Manvi Jain was awarded the Best Paper Presentation Award in the "National Systems Conference (NSC 2021)" Conference organized by Dayalbagh Educational Institute in association with Systems Society of India, May 2021.
- Mr. Karan Narain was awarded the SSI Vikram Award by the Systems Society of India in 2021.
- Fourteen students successfully completed the project on computer network design, under the collaboration on Seneca-DEI joint network essentials course with Seneca College of Applied Arts and Technology, Markham, Ontario, Canada in 2021.

Publications

- Sukhdev Roy (2021). Improved optogenetic retinal prostheses with chrmine, Principles of light-induced charge transfer for optogenetics CT4OPTO REPORT 2021, Principles of light-induced charge transfer for optogenetics CT4OPTO REPORT 2021, International.
- Sukhdev Roy (2021). Low-Power and High-Frequency Optogenetic Retinal Prosthetics with ChRmine, NSC 2021.
- Sukhdev Roy, Theoretical Analysis of Optogenetic Control in Step-function Opsin with Ultra-high Light Sensitivity (SOUL)-expressing Neurons, NSC 2021, NSC 2021, National, 2021
- Sukhdev Roy, Low-power and High Frequency Bidirectional Optogenetic Switching of Neuronal Spiking by Co-expressing Anion and Cation Conducting, Channelrhodopsins, ICONN 2021, ICONN 2022, National.
- Sukhdev Roy, High-frequency Bidirectional Optogenetic Switching of Chronos Jaws Expressing Neurons: A Computational Stud, Optogenetics 2020, Optogenetics 2021, International, 2020.
- Zeeshan, Urvashi, Mridul Kumar, K.S. Daya (2021). Design and Simulation of Paper-based Microstrip and Reconfigurable Multiband Antenna, 8th International Conference on Signal Processing and Integrated Networks (SPIN-2021), International.
- C. M. Markan (2021). Calibration of off-the-shelf low-cost wearable EEG headset for application in field studies for children, NSC 2021.
- C. M. Markan (2021). Downlink Throughput and SINR Analysis of a mmWave 5G MIMO System in an Urban Environment, NSC 2021.
- C. M. Markan, Graph Theoretic analysis of Effective brain Connectivity networks in ultra-transcendental meditation, NSC 2021, NSC 2021, National, 2021.
- C. M. Markan (2021). Identifying Correlation dimension of non-linear time series obtained from E/MEG data, NSC 2021.
- Dayal Pyari Srivastava (2021). Meta Game theoretic analysis of standard "real world" game theoretic problems, NSC 2021.
- Sonali Bhatnagar (2021). Muon telescope: An experimental observation of leptonbased on coincidence technique, Journal of Physics: Conference Series International Conference on Innovations in Electronics, Communication, Computing & Automation (ICIECCA-2020).

- C. V. Lakshmi (2021). A Systematic Approach for English- Hindi Parallel Database Creation for Transliteration of General Domain English Words, IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON).
- C. M. Markan (2021). Identifying Neural Correlates in Stroop Task, In: Saran V.H., Misra R.K. (eds) Advances in Systems Engineering. Lecture Notes in Mechanical Engineering Springer, Singapore, in: Saran V.H., Misra R.K. (eds) Advances in Systems Engineering Lecture Notes in Mechanical Engineering Springer, Singapore.
- Lotika Singh (2021). Interactive Learning System for Children, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering.
- Lotika Singh (2021). Sparsely Connected DenseNet for Malaria Parasite Detection, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering.
- Sandeep Paul (2021). Sparsely Connected DenseNet for Malaria Parasite Detection, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering.
- Sandeep Paul (2021). Epileptic Seizures Detection, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering, in V. Huzur Saran and R. Kumar Mishra (eds.), Lect. Notes Mechanical Engineering: Advances in System Engineering.
- S Prakash, AR Kalra, A Jain (2021). A Normal Form for Single-Qudit Clifford+ Operators, Quantum Information Processing.
- Singh, U., Saifi, Zeeshan, Kumar, M., Reimers, A., Krishnananda, S.D., Adelung, R. and Baum, M (2021). Role of structural specificity of ZnO particles in preserving functionality of proteins in their corona, Scientific reports.
- Saifi, Zeeshan, Kumar, M. & Krishnananda, S.D. (2021). Design and Simulations of 2D Planar Antenna for Dielectric Characterization of Biological Samples, Engineering Proceedings, 6, 10.3390/I3S2021Dresden-10079
- Asthana, P., & Singh, P. (2021). Prediction of confirmed and recovered cases of COVID-19 by using polynomial regression, Turkish Journal of Physiotherapy and Rehabilitation.
- Vandana, A., & Singh, P. (2021). Comparing user-friendliness of online teaching and learning platforms, Turkish Journal of Physiotherapy and Rehabilitation.
- Garg, K., & Bhatnagar, S. (2021). Identification of nuclear wastage with the help of scintillation detectors, Pramana-Journal of Physics, Indian Academy of Sciences.
- Saraswat, & Singh, Preetvanti. (2022). Predicting Heart Disease using the Weighted Gain Decision Tree Algorithm. Global Journal for Research Analysis. 64-69. 10.36106/gjra/6505060.
- Bansal, Himanshu, Gur Pyari, and Sukhdev Roy. (2022). Co-expressing fast channelrhodopsin with step-function opsin overcomes spike failure due to photocurrent desensitization in optogenetics: A theoretical study. Journal of Neural Engineering 19, 026032.
- Pyari G, Bansal H, Roy S. (2022). Ultra-low power deep sustained optogenetic excitation of human ventricular cardiomyocytes with red-shifted opsins: a computational study. J Physiol., Nov; 600(21):4653-4676. doi: 10.1113/JP283366. Epub 2022 Sep 30. PMID: 36068951.
- Manvi Jain and C. M. Markan, (2022). Effect of Brief Meditation Intervention on Attention: An ERP Investigation, arXiv:2209.12625 [q-bio.NC]
- Manvi Jain and C. M. Markan, (2022) Calibration of off-the-shelf low-cost wearable EEG headset for application in field studies, arXiv:2209.12633 [q-bio.NC]
- Z. Saifi, U. Singh, M. Kumar, K. S. Daya and E. C. Alcilja, (2022). Study of Inter-species Social Interactions among Bacterial Cells using Computer Vision and Zeta Potential Analysis, IEEE Transactions on NanoBioscience, doi: 10.1109/TNB.2022.3228864.
- Saxena, S., Verma, A., Biswas, N.K., Khan, S.A., Satsangi, V.R., Shrivastav, R., Dass, S. (2021). Zr-W Co-doping in BiVO₄-Synergistic effect in photoelectron chemical water splitting, Materials Chemistry and Physics, <https://doi.org/10.1016/j.matchemphys.2021.124675>

- Saxena, S., Satsangi, V.R., Shrivastav, R., Dass, S. (2021). MWCNTs incorporated nanostructured Bismuth Vanadate for solar energy induced water splitting for hydrogen generation, *Materials Today: Proceedings*.
- Kumari A., Biswas, N.K., Saxena, S., Satsangi, V.R., Shrivastav, R., Kant, R., & Dass, S. (2021) Effect of 100 KeV Ar⁺ ion beam irradiation on ZnO thin films – Influence of morphology vis-a-vis electrode/electrolyte interface and its impact on photoelectrochemical water splitting, *International Journal of Hydrogen Energy*.
- Shrivastava, R., Kaur, G., Divya, Khan, S.A., Satsangi, V.R., Dass, S. (2021). Nano-hetero-structured thin films, ZnO/Ag-(α)Fe₂O₃, with n/n junction, as efficient photoanode for renewable hydrogen generation via photoelectrochemical water splitting, *Renewable Energy*.
- Soniya, Singh, L. and Paul, S. (2021). Hybrid Evolutionary Network Architecture Search (HyENAS) for Convolution Class of Deep Neural Networks with Applications, *Expert Systems*.
- Gupta S., Gahlot S., Roy S. (2021). Design of Optoelectronic Computing Circuits with VCSEL-SA based Neuromorphic Photonic Spiking., *Optik*.
- Bansal, H., Gupta, N. and Roy, S., (2021). Theoretical analysis of optogenetic spiking with ChRmine, bReaChES and CsChrimson-expressing neurons for retinal prostheses, *Journal of Neural Engineering*.
- Prakash, S., Kalra, A.R., Jain, A. (2021). Normal Form for Single-Qudit Clifford⁺ Operators, *Quantum Information Processing*.
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- Asthana, P., & Singh, P., Prediction of confirmed and recovered cases of COVID-19 by using polynomial regression, *Turkish Journal of Physiotherapy and Rehabilitation*.
- Garg K., & Bhatnagar, S. (2021). Identification of nuclear wastage with the help of scintillation detectors, *Pramana-Journal of Physics, Indian Academy of Sciences*.
- Biswas, N.K., Verma, A., Satsangi, V.R., Shrivastav, R., Dass S. (2021). Role of pH of electrolytic pH on the performance of nanostructured ZnO thin films in photoelectrochemical water splitting, *SPAST Abstracts*.

Book Chapters

- Azad, Sonali Bhatnagar, Monte Carlo based study of rare physics decays in Liquid phase Xenon Time Projection chamber giving hints of dark matter. Page 169-196. Year 2021. *Statistical Research* by M.P.Barman and K.Goswami. Published by Ramdhenu Printing, Dowarahchuck Dibrugarh, Assam. ISBN No.978-81-951950-0-8.
- Singh, Preetvanti & Dev, Vijai. (2022). Data Warehouse With OLAP Technology for the Tourism Industry. In book: *Encyclopedia of Data Science and Machine Learning*, 10.4018/978-1-7998-9220-5.ch012.

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 inter-disciplinary research. The current research and teaching areas in the Department include Molecular Genomics; Genotoxicity, Computational Biology, Vector Control Entomology, Vector Control Parasitology; Molecular Systematic;

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 ICGEB, 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.

Staff Achievements/Recognitions

- Dr. Arun Pratap Sikarwar was a Guest of honour and keynote speaker to deliver a lecture entitled "Beyond Binary Sexuality of Male & Female to the Spectral Model of JGBTQAI+" at G.L.A. University, Mathura (India), dated June 26th, 2021. YouTube: <https://youtu.be/6I1NYMBSLaQ>. He also uploaded a Video over "Neuroscience of CREATIVITY and INNOVATION & New Education Policy-2020". (1:08:32 hr). YouTube: <https://youtu.be/CCYp4CHyM0o>. He got Interviewed on "Neurobiology, molecular and cellular biology" in a theme of "Science in a Creative Society" at Allatra TV English, dated July 31st, 2020. YouTube: <https://youtu.be/MDTyd-XCep0>. He also acted as Coordinator and Resource Person to deliver a lecture entitled "Basics of Science of Food and Nutrition" in a Webinar "Food-Planet-Health" conducted by "Vegan Outreach" organization and the National Service Scheme (NSS) Cell of Dayalbagh Educational Institute (Deemed University), Agra, dated August 20th, 2021. He was also interview on, The "Heart Open Up" by "Voice of Men 360", a non-profit organization, based in Toronto, Canada and is a part of International Men's Day (IMD), dated 15 August, 2021. YouTube Link: <https://youtu.be/R9JJsQO7XBs>. He also delivered a Radio Talk over "Mental Health during COVID-19 Pandemic" at "Community FM 90.4 Agra Ki Awaz", sponsored by the UNICEF (United Nations International Children's Emergency Fund) and Community Radio Association (CRA), dated 12 August, 2021. YouTube Link: <https://youtu.be/Z5PPG-iRSvE>. He also delivered a presentation entitled "COVID-19 Pandemic

and How the World Would Change in Near Future" to an Online Course "Understanding Coronavirus", conducted by the "Homi Lab" and "Kalam Centre" of Dr. A.P.J. Abdul Kalam Centre, August 2021. YouTube: <https://youtu.be/Q-9ol42Iqd8>

- Anuradha Kapoor and Shabd Preet were awarded first prize in an oral presentation, paper entitled "Evaluation of acaricidal potential of *Cinnamomum camphora* oil nanoemulsion against *Rhipicephalus microplus*" in UGC SAP sponsored IV National seminar-cum- webinar on "Frontier Areas of Plant, Microbe and Environment Research" organized by Department of Botany, Dayalbagh Educational Institute on 24 March, 2022.

Students Awards and Achievements

- Rajul Jain presented an "Inspiring Anecdotes from Scientists' lives (group III)" and secured First Rank in "Vigyanika online Competition" as part of "India International Science Festival" organized by "Ministry of Science and Technology; Ministry of Earth Sciences, and Ministry of Health and Family Welfare, Govt. of India in collaboration with Vijnana Bharati (VIBHA) by Council of Scientific & Industrial Research (CSIR)" conducted from 10nd – 13th December 2021.
- Krishna Rana, Research Scholar, presented "Inspiring Anecdotes from Scientists' lives (group III)" and secured First Rank in "Vigyanika online Competition" as part of "India International Science Festival" organized by "Ministry of Science and Technology; Ministry of Earth Sciences, and Ministry of Health and Family Welfare, Govt. of India in collaboration with Vijnana Bharati (VIBHA) by Council of Scientific & Industrial Research (CSIR)" conducted from 10-13 December, 2021.

Faculty Development Programs

- Prof. Alka Prakash participated in the program entitled "Designing and development of e-resources for teaching and learning part II" organized by Department of Computer Science and Department of Chemistry, Rajdhani college, University of Delhi from 23-24 July, 2021.
- Prof. Alka Prakash and Prof. Shabd Preet participated in the 3-day workshop entitled "Designing and development of e-resources for teaching and learning" organized by University of Delhi from 22-24 June, 2021
- Dr. Reshma Bhatnagar completed One-week Online FDP on " Higher Education in 21st Century " organized by E & ICT Academy IIT Guwahati held from 13 - 19 June, 2022 held in association with Mariani College, Jorhat, Assam and support from Skillgym Ltd. She also completed One-week Online FDP on " E-Content Development and use of ICT tools in present Academic Era " held from 20 - 25 June, 2022 held in association with Kampur College, Nagaon, Assam and support from Mantra Associates. Electronics & ICT Academy Indian Institute of Technology Guwahati.
- Dr. Nikita Sharma attended E-Faculty development programme on, "Nanotechnology: Present advancements and future prospects" from 18-22 January 2022 organized by Amity Institute of Nanotechnology, Amity university, Noida, UP. She also attended one week (Online) interdisciplinary FDP conducted by Daulat Ram College in collaboration with Hansraj College on "Wildlife Conservation and Management", from 4-9 October, 2021.
- Dr. Shruti Sharma attended one week (Online) interdisciplinary FDP conducted by Daulat Ram College in collaboration with Hansraj College on "Wildlife Conservation and Management", from 4-9 October, 2021

Seminar/Symposia/Conference/Webinar Attended

- Anuradha Kapoor attended five days' workshop on "Nano era: Nanotechnology for Global Sustainability" from 7-11 June, 2021 organized by Amity Institute of Nanotechnology, Noida, UP. She also attended international webinar on "Not too conventional thoughts about Embryoculture" organized by Animal Biotechnology centre, ICAR, Karnal, Haryana on 15 June, 2021.
- Radha Yadav and Parisa Gupta participated in international workshop entitled "Scientific Writing" on 23-24 June, 2021, organized by ICAR- National Dairy Research Institute, Karnal, Haryana.
- Madhuri participated in the international conference on "Covid-19 Roadmap to Future Environment" organized by St. John's College Agra, 5 June 2021. She also participated in an International virtual webinar on "Conventional thought about Embryo Culture", organized by animal biotechnology centre ICAR- National Dairy Research Institute, Karnal, Haryana, 15 June 2021.
- Rajul Jain attended Indian conference on bioinformatics 2021 (INBIX'21) organized virtually by CSIR-NEIST and Bioclues.org during November 11-13, 2021.
- Krishna Rana attended in the "International e-Workshop" on 'Computational Approaches in Drug Design & Therapeutics' organized by Drug Discovery & Development Cluster jointly with Amity Institute of Biotechnology, Amity University Chhattisgarh held on 20 February, 2021.
- Rajul Jain, Research Scholar, attended international workshop on "Scientific Writing" organized by IDP-NAHEP on 23-24 June, 2021.
- Rajul Jain, participated in a 40 hours Online Faculty Development Program on 'BASICS OF BIO-INFORMATICS' from 26 May – 04 June, 2021, Organized by E & ICT Academy, National Institute of Technology, Warangal in association with University College of Engineering BIT Campus.

Publications

- Satsangi, N., and Preet, S. (2021). Phyto-synthesis and characterization of potent larvicidal silver nanoparticles using *Nyctanthes arbortristis* leaf extract. *Journal of Plant Biochemistry and Biotechnology*, , B30(3), 608-612.
- Yadav, H., and Prakash, S. (2021). Diversity of spiders (Araneae) in the flood plains of the Taj trapezium zone of Agra, *Appl Ecol Env Sci*, 9(2), 149-155.
- Khadpekar, Y., Whiteman, J. P., Durrant, B. S., Owen, M. A., and Prakash, S. (2021). Scent-marking behavior by female sloth bears during estrus. *Ursus*, 2021, (32e2), 1-9.
- Kishore, V., Loach, N., Srivastava, C. N., and Mohan, L. (2021). Toxicity evaluation and chemical composition of *Capsicum frutescens* for natural control of Asian blue tick, *Rhipicephalus (Boophilus) microplus* (Acari: Ixodidae). *The Journal of Basic and Applied Zoology*, 82(1).
- Khadpekar, Y., Whiteman, J. P., Durrant, B. S., Owen, M. A., and Prakash, S. (2021). Scent-marking behavior by female sloth bears during estrus. *Ursus*, (32e2), 1-9.
- Kishore, V., Loach, N., Srivastava, C. N., and Mohan, L. (2021). Toxicity evaluation and chemical composition of *Capsicum frutescens* for natural control of Asian blue tick, *Rhipicephalus (Boophilus) microplus* (Acari: Ixodidae). *The Journal of Basic and Applied Zoology*, 82(1), 1-10.
- Singh, D., and Bhatnagar, R. (2021). Cognitive ethology of *Rhesus macaques*: A review of research through five decades. *Journal of Experimental Zoology*, 24(1): 637-643.

- Jain R, Gautam P (2021). Neurophysiological and Behavioural Perturbations in *Caenorhabditis elegans* exposed to Organophosphate Pesticides. *Journal of Experimental Biology and Agricultural Sciences* 9 (3), 343–352.
- Singh N, Gautam P (2021). Comparative analysis of hypochlorite method on transgenic strain By250. *Journal of Advanced Zoology*.42(1), 1-6.
- Ami Verma and Shabd Preet (2021). Novel green synthesis of combinational silver nanoparticles using *Jatropha integerrima* for dengue vector control and cytotoxicity assessment. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences 1-11.
- Ami Verma and Shabad Preet (2021). Larvicidal and antioxidant activity of green silver nanoparticles synthesized using *Musa acuminata* peel extract against *Aedes aegypti*. *International Journal of Mosquito Research*, 8(2), 01-05.
- Shivani Sharma, C.N. Srivastava, Lalit Mohan (2021). Trends and control strategies against malaria and its eradication programmes: A review. *Journal of Entomological Research*. 45 (Suppl), 1107-1117.
- Parul, S.P. Singh, Lalit Mohan. (2021). Bioefficacy of *Cinnamomum tamala* essential oil against *Anopheles stephensi*, *Aedes aegypti* and *Culex quinquefasciatus* larvae. *International Journal of Mosquito Research*. 8 (6), 24-30.
- Paswan SK, Nath V, Verma P, Sikarwar AP, Verma SK (2021). Hydroxychloroquine: Similarity Search and Structure-Based Virtual Screening for Identification of Potential Hits for Chemoprophylaxis Against SARS-CoV-2. *FABAD Journal of Pharmaceutical Sciences*, 46(2), 147-158.
- Singh N, Gautam P (2021). Neurodegenerative disease: Impact of pesticides. *Journal of Experimental Biology and Agricultural Sciences*. 9(5), 572 – 579.
- Paswan, S. K., Nath, V., Verma, P., Sikarwar, A. P., and Verma, S. K., (2021). Hydroxychloroquine: Similarity Search and Structure-Based Virtual Screening for Identification of Potential Hits for Chemoprophylaxis Against SARS-CoV-2. *FABAD Journal of Pharmaceutical Sciences*, 46(2), 147-158.
- Ami Verma and Shabad Preet (2021). Larvicidal and antioxidant activity of green silver nanoparticles synthesized using *Musa acuminata* peel extract against *Aedes aegypti*. *International Journal of Mosquito Research* 2021; 8(2), 01-05.
- Singh, D., and Bhatnagar, R. (2021). Cognitive ethology of Rhesus macaques: A review of research through five decades. *Journal of Experimental Zoology*, 24(1): 637-643.
- Jain R, Gautam P, (2021). Neurophysiological and Behavioural Perturbations in *Caenorhabditis elegans* exposed to Organophosphate Pesticides. *Journal of Experimental Biology and Agricultural Sciences*, 9 (3), 343–352.
- Yadav, H., and Prakash, S. (2021). Diversity of spiders (Araneae) in the flood plains of the Taj trapezium zone of Agra. *Appl Ecol Env Sci*, 9(2), 149-155.
- Satsangi, N., and Preet, S. (2021). Phyto-synthesis and characterization of potent larvicidal silver nanoparticles using *Nyctanthes arbortristis* leaf extract. *Journal of Plant Biochemistry and Biotechnology*, 30(3), 608-612.
- Singh N, Gautam P. (2021). Comparative analysis of hypochlorite method on transgenic strain By250. *Journal of Advanced Zoology*, 42(1),1-6.
- Parisa Gupta, Shabd Preet, Ananya and Navneet Singh (2022). Preparation of *Thymus vulgaris* (L.) essential oil nanoemulsion and its chitosan encapsulation for controlling mosquito vectors. *Scientific Reports*, 12(1), 1-14.

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- Parul, S.P. Singh, Lalit Mohan (2022). Methods and applications imparting plant essential oils as mosquito repellency agents on textiles. *International Journal of Mosquito Research*. 9 (3), 41-47.
 - Shivani Sharma, Neha Loach, Shweta Gupta, Lalit Mohan (2022). Evaluation of Chemical Composition and Larval Susceptibility of Citrus Essential Oils against *Anopheles stephensi* and *Culex quinquefasciatus*. *Biocatalysis and Agricultural Biotechnology*, 39, 102284.
 - Rana K, Gautam P. (2022). A Review on Antioxidants as Therapeutic in Use of Oxidative Stress and Neurodegenerative Disease. *International Journal of Pharmaceutical Quality Assurance*. 13(1), 77-82.
 - Parisa Gupta, Shabd Preet, Ananya and Navneet Singh (2022). Preparation of *Thymus vulgaris* (L.) essential oil nanoemulsion and its chitosan encapsulation for controlling mosquito vectors. *Scientific Reports*, 12(1), 1-14.
 - Shivani Sharma, Neha Loach, Shweta Gupta, Lalit Mohan (2022). Evaluation of Chemical Composition and Larval Susceptibility of Citrus Essential Oils against *Anopheles stephensi* and *Culex quinquefasciatus*. *Biocatalysis and Agricultural Biotechnology*. 39 (2022) 102284.
 - Parul, S.P. Singh, Lalit Mohan (2022). Methods and applications imparting plant essential oils as mosquito repellency agents on textiles. *International Journal of Mosquito Research*. 9 (3), 41-47.
 - Rana K, Gautam P. (2022). A Review on Antioxidants as Therapeutic in Use of Oxidative Stress and Neurodegenerative Disease. *International Journal of Pharmaceutical Quality Assurance*. 13(1), 77-82.
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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.), Post Graduate Diploma in Business Economics (PGDBE), M.A. (Applied Economics), M.Phil. (Economics), Integrated PGDBE - M.A. (Applied Economics), M. Phil integrated with Ph.D. It offers B.A. Honours Economics (3 years course), M.A. (2 year course), Post-Graduation Diploma in Business Economics and Ph.D.

Awards and Recognition

- Prof. Jyoti Gogia acted as a panelist in “A Panel discussion on Annual Union Budget 2022” organized by School of Management and Liberal Studies, The Northcap University, Gurugram on February 10, 2022.
- Prof. Rupali Satsangi developed Index to calculate social impact of universities “Towards a Robust Societal Impact Index (SII) of Educational Institutions Dayalbagh Educational Institute: A Case Study” submitted in New Educational Policy 2020 for Grading of University
- Prof. Rupali Satsangi was honoured in Parliament House, New Delhi on 16 April 2022 by Shri Om Birla ji as Environment Warrior on the occasion of World Environment Day 22nd April 2022

Seminar/Symposia/Conference/Webinar Organized

- Prof. Rupali Satsangi, Coordinator of DEI-HKU Student Exchange Program in online mode from 20th February 2022 to 28th June 2022 in which 18 selected students from DEI and 10 students from university of Hong Kong participated and had virtual social interaction and joint project entitled as “Higher educational institute contribution in attainment of Sustainable Development Goals”.

Publications

- Ayushi Kukreja, Ritika Agarwal and Jyoti Gogia (2022). Digital Collaborative Consumption

- n: A Techno-Conscious Approach for Sharing Resources in International Journal of Advanced Research Vol. 10, Issue-7, ISSN-2320-5407, 861-870.
- Sangeeta Kumar and Sumi Goswami (2022). Banking sector development under the financial inclusion in India: an analytical study In Journal of Interdisciplinary Cycle Research, Vol. XIV, Issue 3, 1537-1547. ISSN 0022-1945.
- Sangeeta Kumar and Priya Soni (2022). Significance of education among scheduled caste females at Agra district in Uttar Pradesh Zeichen, Vol. 8, Issue 3, 144 -151, ISSN No: 0932-4747.
- Sangeeta Kumar and Sumi Goswami (2022). The financial inclusion plan in India: an assessment of the progress, International Journal of Engineering Technology and Management Sciences, Vol. 6, Issue 2, ISSN: 2581-4621.
- Rupali Satsangi (2021). Circular economy towards sustainable production and Consumption (with special reference to Sustainable Development Goals), International Research Journal of Management Sociology & Humanities, Vol.12, Issue 216-23, ISSN2277 -9809.
- Rupali Satsangi and Namrata Anand (2021). Impact of microfinance on sustainable rural livelihood: An analytical study, International Journal of Creative Research Thoughts, Vol.9, Issue 2, 1350-1359, ISSN: 2320-2882.
- Anju Sharma and Rupali Satsangi (2021). Breach of Fundamental Rights during Covid -19 Era with special reference to Article 21, Journal of Emerging Technologies and Innovative Research (JETIR), Vol 8 Issue 8,104-107, ISSN 2349-5162.
- Poonam Tomar (2021). An estimation of trends and patterns in sugarcane cultivation: Indian context, International Journal of research and analytical reviews (IJRAR), ISSN (E): 2348-1269, issue: 02.
- Poonam Tomar (2021). Relationship between area, production of major oilseed crops and rainfall in Rajasthan, Research Journal of Agriculture Sciences, issue: 03, ISSN (E): 2249-4538.
- Rupali Satsangi and Kanwaljyot Kaur (2021). Financial Performance of Public and Private Sector Banks in India: Camel Model, International Journal of All Research Education and Scientific Methods (IJARESM), Vol. 9, Issue 2, 822-831, ISSN: 2455-6211.
- Rupali Satsangi and Namrata Anand (2021). Human Capital Formation through Microfinance: An Impact Assessment, ACADEMICIA An International Multidisciplinary Research Journal, Vol. 11, Issue 1, ISSN: 2249-7137.
- Rupali Satsangi and Pavneet Kaur (2021). A Study on the Effectiveness of Green Banking for Sustainable Development, International Journal of Scientific & Engineering Research (IJSER), Vol. 12, Issue 2, 95-115, ISSN2229-5518.
- Sangeeta Kumar & Sumi Goswami (2022). The financial inclusion plan in India: an assessment of the progress” in International Journal of Engineering Technology and Management sciences, Issue 2, volume no. 6, ISSN: 2581-4621.
- Sangeeta Kumar & Priya Soni (2022). Significance of education among scheduled caste females at Agra district in Uttar Pradesh” in Zeichen journal, Volume 8, Issue 3, 144 -151, ISSN No: 0932-4747.
- Sangeeta Kumar & Suraj Pratap Singh, Impact on student life of E- learning in Covid-19 pandemic with special reference to Agra city in the book ‘Recent development in management, science & information technology’ edition 1 ISBN:978-3-96492-399-8, 89-96, published by Weser books.
- Sangeeta Kumar & Sumi Goswami (2022). Banking sector development under the financial inclusion in India: an analytical study, Journal of Interdisciplinary Cycle Research, ISSN 0022-1945, volume XIV, issue 3, 1537-1547.
- Poonam Tomar (2021). An analysis of farm economics of wheat and paddy farming in western Uttar Pradesh: A case study, Research Journal of Agricultural Sciences, An International Journal, issue-04 ISSN (E): 2249-4538.

- Poonam Tomar (2021). An Analysis of Farm Productivity and Fertilizer Consumption in Bharatpur Region of Rajasthan, Research Journal of Agricultural Sciences, An International journal, issue-06 ISSN (E): 2249-4538.
- Jyoti Gupta (2021). International Journal of Advance and Innovative Research on Role of social media during the Covid-19 Era in India with special reference to Agra, ISSN 2394-7780, Vol-8.
- Suraj Pratap Singh (2022). Impact of Covid-19 on Indian Economy A General overview in Sambodhi (Indological Research Journal of L. D. I. I) Vol-44, No.-3, (III), ISSN: 2249-6661.
- Vaishali Singh (2022). Contemporary issues in Multidisciplinary Subjects on Awareness Among Youth about Cryptocurrency in India with Special Reference to Agra, Volume-2, , ISBN:978-93-93239-67-9.
- Namrta Anand (2022). Flipped Side of a Coin: A Positive Approach to Immigration, Business Economics Magazine, 13-14.
- Namrta Anand (2022). Malthusian Population Theory and COVID-19 Pandemic: A Theoretical Relationship, Business Economics Magazine, Vol. 27, Issue 06, 30.
- Namrta Anand (2022). Exploring India's Export Opportunities to Surpass China's Position in Global Arena in Pandemic Era: A Policy Based Case Study of Leather Industry, Arthshastra Indian Journal of Economics and Research, Vol. 11, Issue No. 1, ISSN: 2278 – 1811, 46-59.
- Vaishali Singh (2021). Change in Consumer Spending trend due to COVID-19 Pandemic: A case study of Agra Multidisciplinary Research on Redshine Publication (Volume-4), ISBN: 978-93-93239-31-0.
- Vaishali Singh (2022). A Study of Streaming Videos as a substitute of Traditional mode of Entertainment with special reference to youth of Agra in Journal of Research and Development (Volume-14 Issue-14), ISSN:2230-957.

Participation in Conferences/ Seminars Workshops

- Jyoti Gogia and Rupali Satsangi attended an international workshop on Community-Based-Participatory-Research (CBPR) at Kuala Lumpur, Malaysia from October 30-November 6, 2022. The workshop was organized by the Mizan K4C Hub at the Mizan Research Centre, Faculty of Leadership and Management, Universiti Sains Islam Malaysia (USIM) and the UNESCO Chair in Community-Based Research and Social Responsibility in Higher Education.
- Dr Resham Chopra successfully completed One Week Online FDP organized by MHRD PMMMNMTT Teaching and Learning Centre, Ramanujan College, University of Delhi from 21st to 27th April 2022 entitled "Open-Source Tools for Research" and obtained A+ grade.
- Dr Resham Chopra successfully completed One Week Online FDP organized by MHRD PMMMNMTT Teaching and Learning Centre, Ramanujan College, University of Delhi from 11th to 17th April 2022 entitled "Qualitative Data Analysis" and obtained A+ grade.
- Jyoti Gupta participated in Research Quest #1, Questionnaire Designing and Factor analysis with SPSS and AMOS. 22 May 2022
- Jyoti Gupta participated in Internship Cum Training on Advance in Research from 14 February 2022 to 14 March 2022 organized by Manuscriptpedia, Kanyakumari through online pedagogy.
- Dolly Jamvwal, attended the 3 days of online workshop on "Introduction to Data Analytics using R" January 2022
- Ayushi Kukreja participated in Seven Days National workshop on Research Methodology for Social Sciences, Organized by Excel Research Management Association, India, July 03—09, 2021
- Vaishali Singh presented a paper in the National Virtual Conference on Influence of Digital media in Promoting Sustainability-NC-IDMPS on the topic A Study of Streaming Videos as a substitute of Traditional mode of Entertainment with special reference to youth of Agra May 2022, Department of Visual Communication, Sathyabama Institute of Science and Technology, Deemed to be University, Chennai.

- Vaishali Singh presented a paper on Consumer Preference Local Vs Global brands with special reference to Agra Feb 2022 in the 8th annual International Conference of CEPAR of Department of Economics, K J Somaiya Institute of Management, Mumbai, India.
- Vaishali Singh participated in Five Days Faculty Development Program on Emerging Trends and Challenges in Higher Education and Research, Prince Shri Venkateshwara Arts and Science College, Gowarivakkam, Chennai, Online Apr 2022.
- Vaishali Singh participated in Workshop on Improving Scientific Research Writing and Publication Skills, RKDF University, Bhopal (MP), Online Apr 2022
- Vaishali Singh participated in One Week International FDP On Research Excellence And Academic Development , Sri Ramakrishna College Of Art & Science, Online Sep 2021
- Vaishali Singh participated in Research-Based One Week National Level Faculty Development Programme, Guru Shree Shantivijai Jain College for Women, Veperiy, Chennai, 600000, Online Aug 2021
- Vaishali Singh participated in Data Analysis Using Ms-Excel: for Research In Social Sciences Bharat College of Arts And Commerce, Badlapur, University Of Mumbai, Online Jul 2021
- Vaishali Singh participated in Research Methodology For Social Sciences , Excel Research Management Association, India And Dayalbagh Educational Institute, Agra, India, Online Jul 2021.
- Dr. Namrta Anand Attended IP awareness/training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on March 11, 2022.
- Jyoti Gogia chaired, technical session of 4th Multidisciplinary National Conference on Pre-Doctoral Research, October 11, 2022
- Jyoti Gogia chaired, technical session of International Conference on Impact of Covid-19 on HUMPEAR, November 7, 2022.
- Dolly Jamvwal attended the 3 days of online workshop on “Introduction to Data Analytics using R” January 2022
- Vaishali Singh, presented a paper in the National Virtual Conference on Influence of Digital media in Promoting Sustainability-NC-IDMPS on the topic A Study of Streaming Videos as a substitute of Traditional mode of Entertainment with special reference to youth of Agra May 2022, Department of Visual Communication, Sathyabama Institute of Science and Technology, Deemed to be University, Chennai.
- Vaishali Singh Presented a paper on “Role of E-Commerce during Lockdown“ at International Conference on Contemporary Issues in Business Management and Information Technology (CIBMIT 2022), Amity University, Patna. September 2022
- Vaishali Singh presented a paper on “A Study of Streaming Videos as a substitute of Traditional mode of Entertainment with special reference to youth of Agra” at the National Virtual Conference on Influence of Digital media in Promoting Sustainability-NC-IDMPS, Department of Visual Communication, Sathyabama Institute of Science and Technology, Deemed to be University, Chennai. May 2022
- Vaishali Singh published a paper on “Awareness Among Youth about Cryptocurrency in India with Special Reference to Agra” in redshine Publication (Contemporary issues in Multidisciplinary Subjects Volume-2), February 2022 [ISBN:978-93-93239-67-9]
- Vaishali Singh attended a workshop on “Faculty Development Programme on Qualitative Research Tools and Techniques with special reference to APA Format (7th Edition)” IPEM, Ghaziabad, Sep 2022
- Jyoti Gupta attended Internship Cum Training on Advance in Research from 14 February 2022 to 14 March 2022 organized by Manuscriptpedia, Kanyakumari through online pedagogy.
- Jyoti Gupta Presented a paper on “Public Awareness on the New Education Policy in Agra District”. In the National Seminar held in Sant Ramkrishna Kanya Mahavidyalaya In Agra on 18th & 19th Nov 2022.
- Jyoti Gupta Presented a paper on “India’s Sustainable Blue Economy Development in Indo- Pacific” In International Conference held in International Centre for Indo-Pacific Studies “Department of

Economics” Kurukshetra University, in Kurukshetra, Haryana, India Sant Ramkrishna Kanya Mahavidyalaya on 02-03 Sep 2022. Rupali Satsangi participated as an Indian delegate in International Model United Nations Online Conference 64.0: Experience the Best of Diplomacy & Excellence-UN Women Committee (United Nations Women) Ensuring gender equality by alleviating discrimination against on 29 June 2021.

Achievements:

- Dr. Sumi Goswami is appointed as assistant professor in Dr MPS College of business studies, Agra.
- Vaishali Singh, Best Research paper Award for presenting a Paper titled CONSUMER PREFERENCE: LOCAL VS GLOBAL BRANDS WITH SPECIAL REFERENCE TO AGRA at the 8th annual International Conference of CEPAR of Department of Economics, K J Somaiya Institute of Management, Mumbai, India.
- Jyoti Gupta, Best Research Paper Presenter Award for paper titled “Public Awareness on the New Education Policy in Agra District”. In the National Seminar held in Sant Ramkrishna Kanya Mahavidyalaya in Agra on 18th & 19th Nov 2022.
- Prof. Rupali Satsangi was invited as Panellist in Webinar of the UNESCO Series allocated to the Association of Indian Universities on the Theme “Inclusivity, Equality and Equity in Diverse Population in the Education Sector” organized on July 26, 2021.
- Dr Resham Chopra successfully completed Two Week Online FDP organized by MHRD PMMMMNTT Teaching and Learning Centre, Ramanujan College, University of Delhi from 1st to 14th Sept 2000 entitled “Learning advanced E-Tools for MOOCs Development & Research” and obtained A+ grade.
- Vaishali Singh received Best Research paper Award for co-authoring paper titled Role of social media during Covid-19 Era in India with special reference to Agra in one day International e-conference organized by Bharat College of Arts and Commerce, University of Mumbai. [ISSN:2394-7780]
- Jyoti Gupta received Best Research Paper Award for paper titled Role of social media during the Covid-19 era in India with special reference to Agra in International Conference on Covid-19: A Holistic Approach towards Sustainability from Bharat College of Arts and Commerce from Mumbai University.

Placement of Students

- Dr. Namrata Anand is appointed as Assistant professor, the Northcap university, Gurgaon.
- Vabhav is appointed as Sr. Executive Procurement, Commercial/Procurement department, Three D Integrated Solutions ltd. Gurgaon Haryana
- Nirat Kavia is appointed as Guest Faculty in Department of Economics, DEI, Agra

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.

New programs introduced:

- MBA General Management,
- MBA Innovation
- MA (Soc. Science Business Management)
- MBA Waste Management
- BBM Retail
- BBM Logistics

Department of Sociology & Political Science

The department offers 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: 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.

Publications

- Birpal Singh Thenua (2021). Gender Gap at The Workplace: A Sociology Interpretation with Special Reference to Indian Society, The Journal of Oriental Research Madras, ISSN 0022-3301, Vol. XCII-XXXII.
- Birpal Singh Thenua (2021). Gandhi on nuclear world: a special analysis of its relevance in 21st century, Utkarsh Historic Research, ISSN- 0976-2132, Vol. 34.
- Vinod. F. Khobragade (2021). India's Blue Water Dominance in The Indian Ocean (Co-authored), World Focus.
- Gopal Krishna Parihar (2021). The Re Emergence of Karl Marx with Special Reference to COVID-19 in India, Innovation Research Concepts, ISSN: 2456-5474, Social Research Foundation, Kanpur (SRF International), Vol.06, 78-83.
- Gopal Krishna Parihar (2021). The Governor in the Indian Political Milieu, Anthology the Research, Social Research Foundation Kanpur (SRF International), Vol. 06, 01-09.
- Monika Tiwari (2021). Indian Women and Their Gradual Extinction from Economic Sphere, Jigyasa, ISSN 0974-7648, Vol. 14, No. III.
- Monika Tiwari (2022). Placing the Narratives of South India in National Freedom Struggle. The Forgotten Heroes of Indian Freedom Struggle. ISBN:978-93-90870-77-6.

Schools and Colleges

DEI Prem Vidyalaya Primary School

- **Activities:**

(a) Literary

- 90 students participated in English Poem Recitation Competition organized on 09.10.21
- 231 students participated in Hindi Poem Recitation Competition organized on 25.09.21.

(b) Creative Activities

- 174 students participated in Paper Craft Competition organized on 11.09.21.

(c) Sports & Games

- Won Best Drill Award on Republic Day, 2022 for March Past in D.E.I.
- D.E.I. P.V. Primary School and Radhasoami Saran Ashram Nagar School jointly organized "Sports Day- A Mega Event". Class IV and Class V girls participated enthusiastically in Kho- Kho match and Class IV and Class V boys enjoyed playing Football.
- Class - wise races (Skipping Race, Rabbit Race, Glass Balancing Race, Sack Race, Ball Dribbling Race and One-Legged Race) were held on Annual Sports Day.

- **School Activities**

- Students of D.E.I. P.V. Primary School visited Bal Satsang Darshan.
- BABY SHOW - Fancy Dress presentation by students of class I and II.

- **New Initiatives**

- Heuristic Learning Centre (HLC) has been set up to promote curiosity and creativity (discovery approach) in learning and to inculcate logical thinking and analytical skills in students.
- New swings, slides and monkey ladders have been installed in school premises for students to engage them in physical activities necessary for their all-round development.

- **Professional Development Programs attended by the staff:**

- Teachers attended monthly COLLOQUIA- A platform for interaction and learned Ms. Abhilasha Satsangi co-authored the book titled 'Ice breaker Activities for Classrooms' under the aegis of MHRD.

- **Awards / Recognition:**

- A total of 39 students participated in G.K., ENGLISH, SOCIAL SCIENCE, SCIENCE, MATHEMATICS AND CYBER OLYMPIAD, 2022.

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DEI Prem Vidyalaya-Extended Wing

- **Activities:**

(a) Literary

- Students participated in English Poetry and Song Recitation Competition organized on 25.09.21
- Students participated in Hindi Poetry Competition and Hindi Song Competition on 09.10.21.

(b) Creative Activities

- Learning based on aptitude and interest- Students spend one, 30-minute period every alternate

day in the Activity Room.

- **Professional Development Programs attended by faculty**
Sharing Best Practices in School Education, some topics are
 - Applications of Artificial Intelligence in Schools.
 - Creating Active Learners: An Insight.
 - Enhancing Cognitive Engagement with Technology.

Radhasoami Saran Ashram Nagar School

- **Activities**

- (a) **Literary**

- 11 students participated in Debate Competition (English) organized on 09.10.21.
 - 20 students participated in Writing Competition (English) organized on 09.10.21.

- (b) **Creativity**

- 12 students participated in Rangoli Competition organized on 09.10.21.
 - 30 students participated in Drawing Competition organized on 25.09.21.
 - 19 students participated in Craft Competition organized on 09.10.21.

- (c) **Sports & Games**

Sports Day was celebrated on 25th Sep. 2021:

- 10 students participated in Three - Legged Race.
 - 2 students participated in Zig Zag Race.
 - 15 students participated in Sack Race.
 - 09 students participated in Obstacle Race.
 - 16 students participated in Crow Walk Race.
 - 10 students participated in 50 m. Race (Nursery).

- (d) **Excursions/visits**

- Visit to General Section and Bal Satsang Darshan of Pawan Smrityalaya.
 - Class 5 Children visited Children's Science Centre 4 times during the session.

- (e) **Any other**

- Yogasanas are practiced every Saturday during morning Assembly.
 - Students participated in the celebration of Independence Day and Republic Day.
 - March past participation – won shield on 15 Aug, 2021 & 26 Jan, 2022.
 - Children attended winter camp at D.E.I. in the month of December.
 - Students participated in Open Day celebration at D.E.I. on 31st January.
 - Students participated in SOF (Science Olympiad Foundation).
 - Study material sent on Google Classroom.
 - Interactive classes through Google meet.
 - Lohri celebrated on 13th January, 2022.
 - Science and Work Experience exhibition held on 31st Jan, 2022 in D.E.I.
 - Participation in Baby show / Fancy dress competitions.

- **New Initiatives:**
 - SOF (Science Olympiad Foundation) Olympiad classes
 - DIY Lab (Do it yourself)
 - Explanation with DIY kits.
 - Students explained Science and other subject's projects in virtual mode.
 - Kho-Kho and Football Competition held in P.V. Primary School.
 - C.C.A.: Classes- I to V participated in Yoga sessions organized at the Satsang hall extended chabutra.
- **Professional Development Programmes attended by staff:**
 - Mrs. Sherry Arora attended a five-day online workshop "Jolly Phonics Training" conducted by Mrs. Komal Goenka, founder "Phonics World" from 13th September to 17th September, 2021. She also attended a one-day online workshop "All About Syllables" conducted by Mrs. Hiran Bagadia, Director, Balaji Eduserve on 26th September, 2021.
 - Participation of all the teachers in "Teachers Colloquia".

DEI Prem Vidyalaya Girls' Intermediate College

- **Activities:**
 - (a) **Literary**
 - 17 students participated in English Story Writing Competition organized on 11.09.21.
 - 65 students participated in Hindi Poem Recitation Competition organized on 11.09.21.
 - 82 Students participated in English Poem Competition (Self Composed) organized on 11.09.2021.
 - 48 Students participated in Hindi Dialogue Competition organized on 22.09.2021.
 - 20 students participated in Hindi Writing Competition organized on 21.09.21.
 - 31 students participated in English Writing Competition organized on 23.09.21.
 - 37 students participated in Sanskrit Poem Recitation Competition organized on 25.09.21.
 - 66 students participated in Hindi Conversation Competition organized on 21.09.21.
 - 45 students participated in Indian Solo Song Competition organized on 27.09.2021.
 - (b) **Creativity**
 - 195 students participated in Painting Competition organized on 22.09.2021.
 - 575 students participated in Embroidery Competition organized on 11.09.2021 and on 24.09.2021.
 - 29 students participated in Card Making Competition (On the Spot) organized on 11.09.2021 and 23.09.2021.
 - 96 students participated in Craft Competition organized on 21.09.2021.
 - 94 students participated in Craft Competition organized on 20.09.2021.

(c) Sports & Games

- 982 students participated in Races (100 m. /200 m.) organized in October 2021.
- 483 students participated in Cycle Race (Slow/Fast) organized in October 2021.
- 127 students participated in Skipping Race (100 m. /200 m.) organized in October 2021.
- 151 students participated in Three-Legged Race (100 m. /200 m.) organized in October, 2021.
- 171 students participated in Lemon Spoon Race (100 m. /200 m.) organized in October, 2021.

- **NCC Activities**

DEI Prem Vidyalaya participated with great enthusiasm in the NCC Camp organized at Bhimshri (Agra) from Nov 9 to Nov 15, 2021, along with other schools of Agra. Several activities were conducted in the camp to train NCC Cadets. Apart from the training programme, the cadets were given an opportunity to show their cultural talent also. Competitions were held during the training camp in which students of the college came out with flying colours.

- **Winter Training Camp**

Winter Training Camp was held in the Institute from December 19 to 25, 2021. In this camp a large number of students actively participated in several activities like Clay Modelling, Cooking and Baking, Spoken English, Personality Development, Block Printing, Light Music, Self Defense, Sports (Basketball, Volley Ball, Kho-Kho) etc.

- **Lohri Celebration**

The festival of Lohri was celebrated by the students and staff of the college with great enthusiasm. On this occasion, students performed Gidda and Qawaali, which added more colours and fervor to the celebration.

- **Republic Day**

The College celebrated Republic Day with great enthusiasm at the Bhandara Ground. After the unfurling of the flag, the students of the college, presented a devotional song in Sanskrit called "Guru Samarpan" Later, students of the college also participated in the March Past Competition along with other faculties of DEI, where they were declared the best in the Girls section.

- **Open Day**

Institute celebrated the Founder's Day on 31 January in online mode. On this auspicious occasion, students of the college had put a show of exhibits, prepared by them. Amoli Satsangi (XII C), Shivika Arora (XII C) explained their working models on E- cascade.

- **Children's Day Celebration**

On November 14, 2021, a short cultural programme was organized by staff members and B.Ed. interns for the students. Students enjoyed the Programme and deeply appreciated the efforts made to organize the event.

- **Community Work by staff and students**

- a. Regular participation in Dayalbagh field work by PV students.
- b. Cleaning of _____

Campus

- **ATL-Tinkering Lab, Activities:**

- A Robotics Workshop was organized by Consulate General of India, Perth on September 18, 2021. Students participated in the Workshop which was attended by students from India and Australia. Ms. Anjali Chaudhary (Class XII), G. Anupama (Class XII) and Ms. Surat Bhushan (Class X) displayed their models.
- STEM Webinar- STEM Webinar on the topic- Mobile Application Development was also conducted on 12 July, 2021 in which a large number of PV students from class VI-XII and staff participated. Students learnt how to create apps which they found very informative and useful.

- **ATL Stem Workshop**

ATL Stem Workshop was organized in the college from December 20 to 24, 2021. REI Intermediate College, Radhasoami High School, Timarni and Rajaborari, also participated in this workshop. Students of DEI Prem Vidyalaya gave presentations on different topics like a Brief Introduction of ATL Lab, Remotely Operated Vehicle, Artificial Intelligence, Bluetooth Controlled Car and 3D Printer. These presentations were made by Ms. Bhakti Prasad, Ms. M. Mukti, Ms. G. Anupama, Ms. Anjalee Chaudhary, Ms. Amoli Satsangi, Ms. Tamanna Satsangi, Ms. Ashna Suri, Ms. Surat Bhushan and Ms. Satviki Saran. In the workshop several experienced mentors and trainers, namely Prof. CM Markan, Prof. PS Sudhish. Prof. Sonali Bhatnagar. Ms. Savita Rani and Mr. Vikram Satsangi trained the students.

Professional Development Programmes attended by staff:

- **Colloquia-** All Staff members also participated in Teachers Colloquia which was organized in online mode by DEI Board School with the objective of making teachers aware of latest teaching skills.

DEI REI Boys' Intermediate College

- **Activities:**

- (i) **Literary and Fine Arts**

- An Essay writing competition was organized by the Indian Post Office. 250 students of REI participated in the competition. Out of those, Sudarshan Devnath secured 1st Position & Toshant Kumar got the 2nd Position.
- 'Roshini for a Brighter Future', a charitable trust conducted a poster and slogan Competition. 20 students of REI participated in the competition and out of those Ashlesh Mittal and Ujjwal Chaurasia secured the II position jointly & Surat Kumar got the I Position. Others were given the participation certificates.

- (ii) **Creativity**

- A Robotic Workshop was organized by Ambedkar Buddhist Community, Perth on 18th Sep., 2021 at Consulate General of India, Perth.
- STEM Workshop was organized at the College and Science Faculty, DEI during Winter Training Camp. The students of Class VI to XII participated in the workshop.

- (iii) **Sports & Games**

- A cycle race was organized in the school. In this race, Rahul Satsangi of class 10th A got 1st position, Arsh Satsangi of class 10th A got 2nd Position

and Ram Kishore of class 10th A got 3rd Position.

- Basketball Competitions- In sub - junior category, class VIII won the competition and class VII was the runners up. In junior category, class IX A was the winner and class X A was the runners up and in senior category class XII A was the winner and class XI A was the runners up.

(iv) Volleyball Competition was organized.

(v) Excursions/Visits

- 85 students of REI Intermediate college participated in Career counselling programme, held at REI Inter College, Dayalbagh, Agra.

(vi) Any Other

- About 150 students participated in Winter Training Camp and various activities were held in the college. Members of REI Teaching and non-teaching staff were also involved in group-wise activities with zeal and dedication so that this event was held successfully. DEI teachers helped the teachers to run many new technologies such as Google Earth and Google Map. The students were also involved in some agricultural work along with the specified activity during the camp.

(vii) NCC Activities

- The College has an SD company Coy (5/1) consisting of 55 cadets and a troop of JD consisting of 104 cadets. The cadets are always ready to perform various activities assigned to them by their concerned battalion/college/university.
- Sameer Raikwar of Class-12 was selected for Youth Exchange Programme.

• **Awards/Recognition:**

- Agra Branch of ICAI felicitated Mr. Manish Rai and Dr. Navratan for organizing a career counselling programme for the benefit of students.

Seminars and Conferences

DEI Special Lecture Series

Distinguished Lecture by Mr. Dinesh Khara a Distinguished Lecture of Mr. Dinesh Khara, Chairman, State Bank of India, was organized on October 8, 2021 in the Convocation Hall of the institute. Mr. Khara delivered his talk on the topic: "Indian Economy: A New Dawn Post Pandemic". Mr. Khara, in his lecture, embarked on the social initiatives such as health coverage of common masses, financial empowerment of women and empowering entrepreneurs to generate employment opportunities. Using different illustrations, he further highlighted that a large part of Indian economy is getting formalized. Later he embarked upon the advent of behavioural changes arising due to COVID-19 such as— use of digital transactions, increased use of personal vehicles, shift in insurance demand, healthier food preferences, etc. While concluding his talk, he focused on two things- firstly inclusive growth through start-ups and secondly to bring structural reforms through government programmes to stimulate production, income and demand.



The programme was attended by Revered Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions, Prof. P.S. Satsangi Sahab. After the lecture the Chief Speaker visited the exhibitions organized by the students of Bachelor of Vocational Courses and also paid a visit to the newly developed DEI Anupam Upvan where the Institute is going to develop its upcoming Cultural Complex. The overwhelmed Mr Khara thus put his feelings on record: "By the Grace of Most Revered Huzur Sahib, I had opportunity to address on the subject Indian Economy-Post Pandemic a new dawn. I was blessed to witness a self-contained ecosystem in Dayalbagh. Atmosphere free from pollution, Dignity of labour and equality of Society. These values if imbibed by the larger ecosystem it will go a long way in creating egalitarian society. Most commendable is the manner in which Covid menace was dealt with"

International Webinar on Adhunik Sanskrit Kavya

On 28-29 August 2021, the Department of Sanskrit, Faculty of Arts, DEI, along with Global Sanskrit Forum, Uttar Pradesh, jointly organized a Two-Day International Webinar on the topic "Aadhunik Sanskrit Kaavya Vidha- Rachnadharmita Evam Yugbodh". The Chairman of the Webinar was Padma Shri Awardee Prof. Abhiraj Rajendra Mishra, former Vice-Chancellor Sampurnanand Sanskrit University, Varanasi, Uttar Pradesh. The Chief Guest was Prof. Haridatt Sharma, former Head, Department of Sanskrit, Prayagraj University, Allahabad and the Special Guest was Prof. Sen Pathak, International Chairman, Global Sanskrit Forum and Senior Scientist Texas University, United States. The Hon'ble Director of the Institute, Prof. P. K. Kalra, greeted all the eminent guests in the Inaugural Session, and Head of the Sanskrit Department, Prof. Agam Kulshreshtha, delivered the Welcome Address. The Webinar was conducted in four technical sessions, which were coordinated by Dr. Nishit Gaur. More than five hundred participants attended the Webinar, and thirty-four research papers were presented by the researchers.



EDP on Consciousness & Life Skill

A five-day Faculty Development Programme was organized by Dept. of Sanskrit, Dayalbagh Educational Institute and ATAL Academy AICTE entitled, "Developing Consciousness and Life Skill Management" from 26 to 30 October 21. The expert



speakers of the programme were Prof. Satya Prakash, Ex Dean, Faculty of Science, Prof. Sharmila Saxena, Dean Faculty of Arts, Prof, P. Sriramamurthi, Advisor, Consciousness Study Centre and various eminent personalities from all over India. Dr. Nishit Gaur was the coordinator for this FDP

National Seminar on Braj Bhasha Sahitaya

A National Seminar was organized by Classical Studies, one of the Research Divisions of the Institute and Hindustan Academy, Prayagraj Uttar Pradesh on 25 and 26 October 2021, on the topic "Braj Bhasha Sahitaya mein Lok Rakshak Ram". The key points which were highlighted in the programme included, Lok Bhasha mein ram ki chavi, Brj Lok Jeevan mein Ram, Braj Kshetra mein Ramlila Manchan Ki Parampara, to name a few.



Activities at DEI

Teacher's Day Celebration in D.E.I.

Teacher's Day was celebrated with delight and joy by the students of DEI in the supervised virtuous virtual reality mode on 5th September 2021. Km. Sadaf Ishtiaq, a student of Arts Faculty, paid tributes to Dr. Sarvepalli Radhakrishnan, the former President of India, a brilliant teacher and a great philosopher. The students on this occasion paid tributes to the entire DEI Teaching Community for the exceptional efforts put up during the ongoing Covid-19 pandemic.

On this auspicious day, Prof. Ragini Roy, Prof. Pankaj, Prof. Archana Kapoor, Prof. Gur Prasad Satsangi, Prof. Ashvini Kumar Sharma, and Prof. Soam Prakash were honoured for their dedicated and committed service to DEI. The Director of the Institute Prof. P.K. Kalra, wishing a happy Teacher's Day, honoured the retired teachers by presenting mementos to them.



DEI Celebrates 'Azadi Ka Amrit Mahotsav'



As a part of the series of events organized by DEI under 'Azadi Ka Amrit Mahotsav', an initiative taken by Government of India to commemorate India's 75 years of Independence, a Seminar on the topic, 'Swadesh, Swadheenta aur Mahatma Gandhi Ki Samaj Drishti' was organized on 2nd October 2021, the Birth Anniversary of Mahatma Gandhi. The event was organized in the virtuous virtual reality mode and it received great impetus by the August Presence of Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions. The Chief Guest on this occasion was Shri Rakesh Mishra IAS, Special Secretary-Food & Civil Supplies, UP Government. In his address Shri Mishra opined that the views and teachings of M.K. Gandhi should be adopted as the basic foundation of life, through which our nation will surely attain all-round development. He also expressed that the lifestyle of Mahatma Gandhi can be seen fully embraced in the life skills and values propagated and followed by Dayalbagh Educational Institute. On his turn, the Special Guest of the event Shri Amit Kishore IAS, Managing Director, Dakshinanchal Vidyut Vitran Nigam Ltd., shared his views on the need for and importance of adopting Swadeshi goods as well as Swadeshi values in the present times. Special Guest Dr. Anoop Srivastava, Vice-President-II, Radhasoami Satsang Sabha, Dayalbagh, exhorted with immense enthusiasm that it is only by establishing an all-inclusive society that we can offer true homage to Mahatma Gandhi. The basic framework of the education of DEI was then presented by Prof. K. Soami Daya. The function was presided over by the Director of the Institute, Prof. P.K. Kalra.

Innovation, Quality and Valuation Day Celebration @ DEI



The eighth Annual "Innovation, Quality and Valuation Day" was celebrated at Dayalbagh Educational Institute on 4th November (Thursday), 2021, the day of Diwali, with great fervour, zeal and enthusiasm. The events of students were organized at DEI Anupam Upvan in the morning session whereas, a Panel Discussion was held at DEI Multimedia Centre in the afternoon session.

An Inter-Institute Elocution competition was also held on this occasion followed by Special presentations by the winners of Poetry Recitation competition held at DEI Prem Vidyalaya and REI Intermediate College and the Inter-Institute Bhakti Sangeet competition being held at DEI. It was also heartening to note that various Study/ICT centres of DEI across India and abroad also celebrated "Innovation, Quality & Valuation Day" by organising cultural and literary events where students and staff together participated in large number.

A Panel Discussion on the theme 'Cultivation of Science of Consciousness for Sustainable Agroecology Systems' was organized at DEI Multimedia, in which Shri Gur Saroop Sood (Retd. IAS), President Radhasoami Satsang Sabha and DEI, moderated the discussion. He was joined by eminent panellists namely, Padam Shree Dr. DK Hazra, Dr. SK Satsangi, CMO, Saran Ashram Hospital, Prof. Shambhoo Sharma, DEI and Dr. Jaspreet Kaur, DEI for an insightful and thought-provoking discussion. Shri Sood introduced the theme and highlighted the rich contributions made by Dayalbagh and DEI over more than 100 years in creating Agroecology based healthcare habitat. Dr DK Hazra pointed out the importance of healthy and sustainable lifestyle and community practices in harmony with nature. Dr. SK Satsangi elaborated upon the relevance of Agricultural operation and transformation of 'Agriculture Sewa into Agriculture Dewa' and also related it to various levels of consciousness. Prof. Shambhoo Sharma underlined the values imbibed during agro-based activities like 'Dignity of labour' and 'rural sensitization'. Dr. Jaspreet Kaur talked about sustainable living through waste management practices and role played by human consciousness in discharging one's duty with environmental sensibility. The programme ended with vote of thanks to all dignitaries and participants. The prizes were given to the winners of various events.

Ganga Utsav Organised

NCC Cadets of Dayalbagh Educational Institute organized a programme on November 2021 at Poiya Ghat under the theme Ganga Utsav - A River Festival, initiated at the behest of Govt. of India. The purpose of this drive was to make local people sensitise about the impact of pollution on the rivers and share with them some easy ways to preserve them.

The programme started with the Swachhata Pledge taken by all present under Col. Ajay Kumar Mishra, Commanding Officer, 1 UP Bn, NCC, Agra. To give the message loud and clear on the importance of water and its sources, the Cadets performed a Nukkad Natak titled, "Jal Hai to Kal Hai" and highlighted issues like need to avoid washing of clothes in river, not to connect or pour sewage water into the rivers, create separate pond for the disposal of idols, religious and other waste materials.

The Cadets also organized a "Plogging" run campaign in which they gave a message of cleanliness through Plogging. ("Cleanliness is next to Godliness") The Plogging conducted by NCC cadets took place at Mokshadham and Nagla Thalfi at Poiya Ghat. In this Plogging run campaign, the cadets requested passers-by to join this campaign. The activity was performed under the guidance and supervision of Lt Manish Kumar, Lt Anil Kumar, Chief Officer Lokendra Singh and SUO Vansh Solanki. UO Umakant, SGT Tushar Upadhyay, SGT Chetan Agnihotri, SGT Anil Kumar, SGT Anushka Paliwal, Cadet Rashmi Singh contributed to make the programme a success.

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Visit of Her Excellency Smt. Anandiben Patel, Hon'ble Governor, Uttar Pradesh

A special visit of Her Excellency Smt. Anandiben Patel, Hon'ble Governor UP, was held at Dayalbagh and Dayalbagh Educational Institute (Deemed to be University) on 29th March, 2022. On Her arrival, Her Excellency was given 'Guard of Honour' by the NCC students of DEI. On this momentous occasion, DEI organised a grand exhibition in the CART (Centre for Applied Rural Technology) complex showcasing variety of skill-based innovative products and programmes run by the Institute. The exhibition was greatly appreciated by the Hon'ble Governor and she also commended the skills and enthusiasm shown by all the participating students. Shri Gur Saroop Sood, I.D.A.S. (Retd.), President, DEI and Radhasoami Satsang Sabha, Dayalbagh, introduced the Hon'ble Governor and also presented a brief history of Dayalbagh and its Development. Prof. P.K. Kalra, Director of the Institute, presented the highlights of the Institute and its achievements. Her Excellency also addressed the gathering and praised the tremendous contributions that the Dayalbagh community and DEI have made towards community development and nation building. Smt. Anandiben in her address stressed the need of women empowerment through skilling and entrepreneurship. She said that in the micro, small and medium industry of our country, there are

80 lakh women entrepreneurs who are not only providing support to their own families but also million others by providing employment to them. 15 crore women have financially benefitted themselves through Mudra scheme of start-ups. She highlighted the success of various government programmes like Beti bachao-Beti Padhao, Ujjawala, e-Haat, Online marketing, etc. towards women empowerment and welfare. Hon'ble Governor complimented DEI for providing platform for skilling to women and girls and blessed them to further upgrade their skills and capacities.



She congratulated the Institute for the successful execution of skill-based education programmes. Hon'ble Governor saw the activities of the Dayalbagh Agriculture fields where Rabi Crop (Barley) harvesting was going on in full swing. Hundreds of volunteers from Dayalbagh community, men, women and children from the age of 3 weeks onwards, were participating in it. A special demonstration of physical training by the children of 'Superman Evolutionary Scheme' and 'self-defence' exercises by women was shown to the Hon'ble Governor. Her Excellency was overwhelmed by observing the sense of love, dedication, discipline and commitment of the community people. The event ended with the Institute's Song followed by the National Anthem.

Hon'ble Minister of Social Welfare, Government of Uttar Pradesh Visits DEI



The Hon'ble Minister of Social Welfare, Government of Uttar Pradesh, Shri Aseem Arun paid a special visit to Dayalbagh and Dayalbagh Educational Institute (Deemed to be University) on 17th

April, 2022. On his arrival, the Hon'ble Minister was given 'Guard of Honour' by the NCC cadets of DEI. On this occasion, the Institute organised a grand exhibition in the Leather Working School complex showcasing a wide range of skill-based innovative products and programmes run by the Institute.



The exhibition was greatly appreciated by the Hon'ble Minister. While commending the skills, dedication, discipline and enthusiasm shown by all the participating students, staff and programme in-charges, Shri Aseem Arun took great interest in the variety of projects and models shown by young students of DEI and motivated them to work harder and do quality driven work in their future endeavour. Projects related to 3-D Printing, Shoes and Leather Technology goods, Robotics, Textile, Dairy Products, Bamboo Technology, Food processing and Electric Vehicles were special centres of attraction in the exhibition. Products and activities run by Dayalbagh Mahila Association and Self-Help Groups, were greatly admired by the Hon'ble Minister. A special demonstration by the children of Superman Evolutionary Scheme and 'self-defence' exercises by girl students was also shown. Shri Gur Saroop sood, I.D.A.S. (Retd.), President, DEI and Radhasoami Satsang Sabha introduced the Hon'ble Minister and presented a brief history of Dayalbagh and its Development. Prof. P.K. Kalra, Director, DEI highlighted the Institute's achievements. Shri Aseem Arun also addressed the gathering of students and staff. He praised the momentous contributions that the Dayalbagh Satsang community and DEI have made towards bringing equality and opportunities for all in the society. He said that over decades and centuries, Dayalbagh is known for working towards upliftment of socially and economically marginalised people in the society through its various social welfare related activities, agriculture and educational programmes. He said that various government schemes and programmes which are run today were in fact envisioned and implemented long time back under the supervision and guidance of revered leaders of Dayalbagh. Referring to the vision of Prime Minister Shri Narendra Modi and the hard work of the Chief Minister of Uttar Pradesh, Shri Yogi Adityanath towards providing equal opportunities to all sections of the society, he said that the aim of our leaders is to work together for the economic development of our nation. He highlighted the need of on-line education and technological innovation and stressed that India has potential to become world-leader in some of the technological areas in near future. He also interacted with DEI's staff and volunteers at Rajaborari centre, Madhya Pradesh through video conferencing and complimented DEI for providing platform for skilling and livelihood to the people residing even in tribal areas over there. The event ended with the Institute's Song and the National Anthem.

Students Display Culinary Skills at DEI



In its endeavour to build competencies among students, coupled with social relevance, an interfaculty competition for potato products, was organised by the Department of Home Science on April, 2022. Students from all faculties and DEI schools, participated with full enthusiasm and came up with innovative ideas of using, the king of vegetables, in creative ways. Along with traditional dishes like aloo Tikki and parathas, they prepared various non-traditional products like Barfi, Cake, Jalebi, Pizza, Kheer, Halwa, etc. from potatoes. It is heartening to note that 57 varieties of dishes of potato were prepared by students. "The purpose of this competition was to promote group activity and mutual cooperation among students", said Dr. Seema Kashyap, Coordinator, B. Voc., Food Processing and Preservation. Dr. Seema Kashyap also added that competitions of similar nature were organized for "amla" and "cauliflower", in the recent past.

The products presented in the competition, were evaluated by a senior and experienced jury consisting of Dr. Nandita Gupta, Mrs. Saroj Prashant, Mrs. Veena Kumar, Mrs. Shashi Bhatnagar and Mrs. Dayal Ray. The ingenuity demonstrated by students was highly appreciated by Prof. Prem Kumar Kalra, Director, DEI, Smt. Sneha Bijlani, Treasurer, and other members of DEI. The competition was convened by Dr. Seema Kashyap.

"A life changing experience for me": Prof. M.M. Salunkhe Visit of UGC Expert Committee to DEI

The Expert Committee of University Grants Commission consisting of Prof. Manikrao M. Salunkhe, Vice-Chancellor, Bharati Vidyapeeth, Pune and Prof. Tankeshwar Kumar, Vice-Chancellor, Central University of Haryana, Mahendragarh visited DEI on 30th April- 1st May, 2022 with the purpose to observe and study the DEI's Model of 'Education and Evaluation' within the purview of the National Education Policy-2020. The expert team was cordially received by the DEI Management, students and staff, who showcased the variety of Institute's educational programmes and activities which are based on the founding principles of humanism, inclusivity, democratic values and constant innovation. The Chairman of the Committee, Prof. Salunkhe, inaugurated an Exhibition-cum-Workshop on 'Developing Environmental Consciousness in the Classrooms' put up in the School of Education, Faculty of Education on 30th April, 2022. A special presentation on 'Relating Assessments at DEI to Learning Outcomes and Characteristic Attributes: Setting Goals for a Comprehensive Evaluation Framework' was also made by the DEI before the experts. Dr. Sunita Siwach, Joint Secretary, UGC, Prof. Jaspal Sandhu, Guru Nanak Dev University, Amritsar and Prof. K P Upadhyya, Banaras Hindu University joined the meeting through video conferencing. The Expert Committee contemplated over the suitability and potential of adopting the DEI model as a role model for other institutions of higher education in India. The members visited the different Departments, Labs. , Free Multi-speciality Medical Camp and the Central Facilities of the Institute. A cultural programme was also organised in the evening in honour of the guests.

They also paid a visit to "Agroecology" Fields at Anupam Upvan in the wee hours on 1st May, 2022. During the "Agroecology" Field-Work Seva, the distinguished guests interacted with Doctors and were briefed about the Charitable and Social Service Initiatives undertaken by Dayalbagh. The guests were thoroughly impressed with the demonstration of Healthcare-Cum-Self-Defence P. T. held in Sanskrit by the children of Sant (Superman) Evolutionary Scheme. The members of the Committee were full of appreciation after their visit and interactions. The overwhelmed Committee members thus spontaneously put their feelings on record:





Prof. M. M. Salunkhe:

Pleased to visit DEI during April 29, 2022 to May 01, 2022. It's a life changing experience for me. I could say this is a real Indian education system. I appreciate dedication of Management, staff and students. I am sure, this model of education system will change education scenario of India. Best wishes for future endeavours.

Prof. Tankeshwar Kumar:

DEI is doing excellent work. Activity is key to every course. Students, staff and all associated with DEI are involved in community services from infant to senior citizens of every class, from poorest to high class people. Such activity is rare in HEI. Teaching learning through practical /activity is really amazing.

Hon'ble Minister of State, Higher Education, Uttar Pradesh Visits DEI



Smt. Rajni Tiwari, Minister of State, Higher Education, Uttar Pradesh, visited the Institute and inspected its different units on 14th May 2022. At first, the Hon'ble Minister visited Dayalbagh

Agroecology Fields and observed the agroecological work being conducted there. Revered Prof. P.S. Satsangi Sahab, Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions, most graciously presented His views on the importance of the Lacto-vegetarian lifestyle and the need for adopting this lifestyle for preserving life in this world. He informed the audience how one billion people are being provided food by the Dayalbagh Model. Now the challenge is, how to feed the eleven billion people of the world. He indicated that if the Dayalbagh Model of lifestyle is adopted, remarkable success can be attained in this direction.

Thereafter, the Hon'ble Minister was taken to the International Seminar Hall Complex of the Institute, where she inspected various exhibits showcasing the various projects, innovative ventures and skill-developing programmes of DEI, such as, the exhibits regarding Kaushal Vikas Kendra, Science and Technology-based Industrial programmes, Agroecology projects, etc. She was also oriented about the various social welfare activities conducted by DEI, like, the organization of the weekly Free Multispeciality Medical Camp. During this visit, the Hon'ble Minister also inspected and praised the exhibition put up by the students of the Primary Schools of DEI and the E-Rickshaw and E-Tractor prepared at the Institute. She was particularly impressed by the successful conversion of vehicles, like, the Scorpio into an e-vehicle in only 20 hours. The students of Music Department presented a short cultural programme on the occasion. At the of the visit, the Hon'ble Minister conducted a meeting with Prof. P. K. Kalra, Director DEI along with other DEI officials and highly praised the education policy of the Institute. Smt. Tiwari was so touched by the unique spectacle of Dayalbagh and DEI that she thus captured her feelings:

“अत्यन्त सुंदर एवं सराहनीय” (Ultimate Beauty & Praiseworthy/iness)

Annexure-I

RULE:11
Board of Management (Governing Body)
List of Members

Page-1

TERM: 2020-2023 Total Members:14 Quorum: Eight (As on 1-7-2021)

	<u>Status of Nomination</u>	<u>Name of the Member</u>
(a) 1.	Director (Ex-officio) M-9458553555	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b) 2.	Treasurer (Ex-officio) M-9897468691	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: 2019-20: Engg. & Science	Prof. Pramod Kumar Dean, Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	-do-	Prof. Savita Sivastava Dean, Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(d) 4.		
(d) 5.	One nominee of the Ministry of Education, Govt. of India. (w.e.f.3.3.2021) M-9412604920 Email-kukretbr7@gmail.com	Dr. (Prof.) B.R. Kukreti Mahatma Jyotiba Phulae Rohilkhand University, C-46/47, Neelkanth Suresh Sharma Nagar, Bareilly-243006 Uttar Pradesh
(e) 6.	One nominee of the Chairman, UGC Director,	As per UGC, Reg.,2020 (Not needed) Director
(f) 7.	Higher Education, Uttar Pradesh (Ex-officio) 0532-2623874,2423919(Fax) Phone:9412582038 Email:reminder@dheup.com	Higher Education, U.P. Directorate of Higher Education Post Bag No.005 PRAYAG RAJ-211 001

Governing Body- LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:14 Quorum: Eight (As on 1-7-2021)

- | | | |
|-----|---|---|
| (g) | 8. One nominee of the Academic Council of the Institute from among its members as specified in Rule 13(c) and (d).(Term: 2021-2024)
(w.e.f. 1.7.2021); M- 9412559851 | Prof. Ajay Kumar Saxena
Head, Department of Elect. Engineering
Faculty of Engineering
Dayalbagh Educational Institute
Dayalbagh, Agra-5 |
| (h) | 9. One nominee of the Radhasoami Satsang Sabha, Dayalbagh, Agra
(e-mail:anoop.srivastava.rpf@gmail.com) | Dr. Anoop Srivastava
3/22, Prem Nagar
Dayalbagh, Agra |
| (i) | 10. 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-452020 (M.P.) |
| (j) | 11. 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
rksinha@gmail.com | Shri Ravi Kumar Sinha
B-2/6, (Ground Floor)
Vasant Vihar
NEW DELHI-110 057 |
| 12. | -do-
M- 9837308578 | Prof. S.S. Bhojwani
3/43, Prem Nagar
Dayalbagh, Agra-282 005 |
| (k) | 13. 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
Mob: 9810153341
pami.dua@gmail.com | Professor Pami Dua
C-58, Soami Nagar
New Delhi-110017 |
| 14. | -do-
9219500838 | Professor V.B. Gupta
3/173, Prem Nagar
Dayalbagh, Agra-282 005 |
| 14. | -do-
9557707948 | Professor P. Sriramamurti
4/112, Vidyut Nagar
Dayalbagh, Agra-282 005 |

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Invitee:

Shri Dheeraj Kumar
Controller of Examination
DEI, Dayalbagh, Agra-5

Rule: 16
FINANCE COMMITTEE - LIST OF MEMBERS

TERM: 2020-2023 Total Members:14 Quorum: Eight (As on 1-7-2021)

	<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. Phone: 2420543 (0) From: March, 2019 Mob.: 9415028408 (e-mail: adagr@nic.in)	Dr. Dinesh Kumar Additional Director (Treasuries) Agra Mandal Opp. D.M. Office Near Imperial Hotel, Agra
(d)	4. Two nominees of the Governing Body, one of which shall be a Dean (GBMR- 9(c) dated 17-3-2020) (w.e.f. 1.7.2020)	Prof. Pramod Kumar Dean Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
	5. -do-	Shri A.P. Sinha 3/169, Prem Nagar Dayalbagh, Agra 282 005
(e)	6. One Nominee of the Ministry of Education	Nomination Awaited

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Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS

Page 1

TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
(a) 1. Director (Ex-officio)	Professor P.K. Kalra Director Dayalbagh Educational Institute Dayalbagh, Agra-282 005
(b) 2. Deans of Faculties (Ex-officio) (1.7.2020 to 30.6.2023)	Prof. Sharmila Saxena Dean, Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
3. -do- (01-07-2019 to 30-06-2022)	Prof. Pramod Kumar Dean Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
4. -do- (w.e.f. 7.2.201)	Prof. Savita Srivastava Dean, Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
5. -do- (w.e.f. 1-6-2019)	Prof. V. Soami Das Dean, Faculty of Engineering Dayalbagh Educational Institute Dayalbagh Agra-282 005
6. -do- (w.e.f. 15.11.2020)	Professor Sant Prakash Dean, Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282005
7. -do- (w.e.f. 1.7.2021)	Prof. Poornima Jain Dean, Faculty of Social Science Dayalbagh Educational Institute Dayalbagh, Agra-282005
8. -do- (w.e.f. Jan.,2019)	Prof. Rahul Caprihan Dean, DEI ICT Centre Rajaborari-Trnarni

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination		Name of the Member
9.	Deans of Faculties (Ex-officio) (upto 30.6.2021)	Prof. Gur Saran Dean, DEI ICT Centre Soami Nagar, New Delhi
10.	-do- (w.e.f. Jan.,2019)	Prof. J. K. Verma Dean, DEI ICT Centre, Murar
11.	-do- (w.e.f. Jan.,2019)	Prof. C. Patvardhan Dean, DEI ICT Centre, MTV Puram
12.	-do- (w.e.f. Jan.,2019)	Dr. V.S. Caprihan Dean, DEI ICT Centre, C/O Sir Sahabji Maharaj Dayalbagh Spinning & Weaving Mill Putligarh Chowk Amritsar-143001
13.	-do- (w.e.f. Jan.,2019) (Head, Dept. Of Botany w.e.f.22.3.2021)	Prof. P.K. Dantu Dean, Outreach (Agriculture) Dayalbagh Educational Institute Dayalbagh, Agra
14.	-do- (w.e.f. Jan.,2019)	Prof. K. Shanti Swarup Dean, Student Affairs Dayalbagh Educational Institute Dayalbagh, Agra
15.	-do- (w.e.f. Jan.,2019)	Prof. K. S. Daya Dean, DEI Planning Dayalbagh Educational Institute Dayalbagh Agra
16.	-do- (w.e.f. Jan.,2019)	Dr. Sona Ahuja Dean, Non-University Edu. Inst. Dayalbagh Educational Institute Dayalbagh, Agra

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
17. Heads/Incharges of all the teaching departments in the university faculties, who are not Deans. (w.e.f. 1.1.18)	Prof. Agam Kulshrestha Head, Deptt. of Sanskrit Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
18. (w.e.f. 22..21)	Prof. Meenakshi Thakur Head, Deptt. of Drawing & Painting Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
19. -do- (w.e.f. 21.5.2017)	Prof. Sangita Saini Head, Deptt. of Home Science Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
20. -do-	Prof. J. K. Verma Head, Deptt. of English Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
21. -do- (w.e.f. 14.8.2019)	Prof. Ravi Kumar Bhatnagar Head, Deptt. of Music Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
22. -do- (w.e.f. 5.12.2019)	Prof. V.K. Gangal Head, Deptt. of App. Bus. Economics Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
23. Heads/Incharges of all the teaching departments in the university faculties, who are not Deans. (w.e.f. Jan., 2019)	Prof. Nandita Satsangee Head, DLEI.Ed. Programme Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
24. -do-	Prof. N.P.S.Chandel Head, M.Ed. Programme Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
25. -do-	Prof. Ajay Kumar Saxena Head, Deptt. of Elect. Engg. Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
26. -do-	Prof. Rahul Caprihan Head, Deptt. of Mech. Engineering Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
27. -do-	Prof. D.K. Chaturvedi Head, Deptt. of Footwear Design Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
28. -do-	Prof. Vibha Rani Satsangi Head, Deptt. of Physics & Computer Science Faculty of Science Dayalbagh Educational Institute, Dayalbagh, Agra-282 005
29. -do- (w.e.f. 22.3.2021)	Prof. D. Prem Kumar Head, Deptt. of Botany Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
30. Heads/Incharges of all the teaching departments in the university faculties, who are not Deans.	Prof. Sahab Dass Head, Deptt. of Chemistry Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
31. -do-	Prof. Ravinder Kumar Head, Deptt. of Mathematics Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
32. -do- (From 7.11.2017)	Prof. S.P. Srivastava Head, Deptt. of Economics Faculty of Social Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
33. -do- (From 27.12.2013)	Prof. Sanjeev Swami Head, Deptt. of Management Faculty of Social Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
34. -do-	Prof. Kamaljeet Sandhu Head, Deptt. of Psychology Faculty of Social Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
35. -do-	Ms. Mallica Caprihan Head, School of Architecture & Planning Dayalbagh Educational Institute Dayalbagh, Agra-282 005
36. -do-	Dr. Rajnesh Sharma Principal, AYUSH Dayalbagh Educational Institute Dayalbagh, Agra-282 005

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
37. 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. (Term- One year: 2020-21)	Prof. (Ms.) Meenakshi Thakur Department of Drawing & Painting Faculty of Arts Dayalbagh Educational Institute Dayalbagh, Agra-282 005
38. (Term- One year: 2020-21)	Prof. Pravin Saxena Dept. of Accountancy & Law Faculty of Commerce Dayalbagh Educational Institute Dayalbagh, Agra-282 005
39. 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. (Term- One year: 2021-22)	Prof. D. Vasanta Kumari Faculty of Education Dayalbagh Educational Institute Dayalbagh, Agra-282 005
40. -do- (Term- One year: 2021-22)	Shri Kumar Ratnakar Dept. of Mech. Engineering Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra-282 005
41. -do- (Term- One year: 2021-22)	Prof. Gurmauj Saran Srivastava Dept. of Physics & Computer Science Faculty of Science Dayalbagh Educational Institute Dayalbagh, Agra-282 005
42. -do- (Term- One year: 2020-21)	Shri. Arvind Kumar Dept. of Management Faculty of Social Sciences Dayalbagh Educational Institute Dayalbagh, Agra-282 005
43. The Coordinator Distance Education Cell	Prof. V.B. Gupta Distance Education Cell Dayalbagh Educational Institute Dayalbagh Agra-282 005

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
44. Principals of all the non-university educational institutions (w.e.f. 1.7.2018)	Shri Vijay Prakash Malhotra Officiating Principal DEI Technical College Dayalbagh, Agra-282 005
45. -do-	Dr. (Mrs.) Mala Bal DEI P.V. Girls' Intermediate College Dayalbagh, Agra-282 005
46. -do- (w.e.f. 1.4.2018)	Dr. A.K. Dwivedi Officiating Principal, REI Intermediate College Dayalbagh, Agra-282 005
47. 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
48. -do-	Ms. Beenu Kapoor Principal Soami Nagar Pre-Primary School C-33, Second Floor, Soami Nagar (North) NEW DELHI-110 017
49. -do-	Mrs. Arti Prasad Principal Soami Nagar Model School (Primary) Soami Nagar (North) NEW DELHI-110 017
50. -do-	Principal Roorkee Model School 23B, Dayalbagh Colony Ganeshpur (Near Railway Station) ROORKEE-247 667
g 51. The Director of Technical Education, Uttar Pradesh (Ex-officio) 0512-2582084 (0) (M) 9455004691	The Director Technical Education Directorate of Technical Education, U.P., Near Gurdeo Palace Cinema Hall Zoo Road, KANPUR-208 002
h One nominee of the Chairman, GC	As per UGC Reg., 2016 (Not needed)

Rule: 13
ACADEMIC COUNCIL – LIST OF MEMBERS (Contd.)

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TERM: 2020-2023 Total Members:58 Quorum: Ten (As on 1-7-2021)

Status of Nomination	Name of the Member
(i) 52. Two specialists in Industry, to be nominated by the Governing Body (GBR-9(a) dated.17.3.2020) Tel: (M) 9810212311 011-26145396 (R) Fax:011-26146691 rajivsinha@gmail.com	Shri Rajiv Sinha A-14/14, Vasant Vihar New Delhi-110 057
53. -do- Phone +91-11-22751573 email: prempsri@gmail.com Mob. 09810055226	Prof. P.P. Srivastava 3/174, Prem Nagar Dayalbagh Agra-282 005
(j) 54. Not more than five persons of eminence in the fields of Arts and Culture, Commerce, Education, Engineering and Science, to be nominated by the Governing Body (GBR-9(b) dated 17.3.2020)	Prof. P. Sriramamurti 4/112, Vidyut Nagar Dayalbagh, Agra-282 005
55. -do- Tele. 26498241 51050001 Mob.9810153341 pami.dua@gmail.com	Prof. Pami Dua C-58, Soami Nagar NEW DELHI-110 017
56. -do- (w.e.f. 2.11.2019) Email: saran@cse.iitd.ac.in	Prof. Hazur Saran Department of Computer Science & Engineering Indian Institute of Technology, Delhi Hauz Khas, New Delhi- 110 016
57. -do- (e-mail: ramdeo_verma@yahoo.in)	Prof. Jamuna Prasad 117, Jairam Bagh Dayalbagh, Agra
58. -do- pkalra@cse.iitd.ac.in mob. 9452831015	Prof. P.K. Kalra Department of Computer Science Indian Institute of Technology Hauz Khas New Delhi-110016
Invitee (Not a member) Email:deipvprimaryschool@gmail.com	Ms.Jayati Mathur Coordinator, DEI Primary Education Section Dayalbagh, Agra

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Rule: 18
List of Members

Page-1

Managing Council for the Non-University Technical Educational Institutions

TERM: 2019-2022 Total Members:11 Quorum: Six (As on 1-7-2021)

Status of Nomination	Name of the Member
(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) (w.e.f. 1.7.2018)	Shri Vijay Prakash Malhotra 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) 2021-2022 Email:	Shri Majer Singh Lecturer DEI Technical College Dayalbagh, Agra-282 005
(e) 5. Two nominees of the Governing Body from amongst its members (GBR-)	Prof V.B. Gupta 3/173, Prem Nagar Dayalbagh, Agra-282 005
6. -do- Mob. 09810029790 E-mail: rksinha@gmail.com	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) 9455004693 Email: directordteup@gmail.com	The Director Technical Education Directorate of Technical Education, U. P. Near Gurdeo Palace Cinema Hall Zoo Road KANPUR-208 002

List of Members -Managing Council (Technical) (Contd.)

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TERM: 2019-2022 Total Members:11 Quorum: Six (As on 1-7-2021)

		Status of Nomination	Name of the Member
(g)		One nominee of the Northern Regional Office of the All India Council for Technical Education. Ph: 2292550 22929551 2550122 Fax: 0512-2214492 Email: nro@aicte-india.org	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.(M-931920557) Email: dayalmotors@dayalmotors.com	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. (e-mail: ramdeoverma@yahoo.in)	Shri Jamuna Prasad 117, Jairam Bagh, Dayalbagh, Agra-282 005
	11.	-do- Phone: Res.: (011) 21738494 (Mob. 8057108482) e-mail: vpswarup@gmail.com	Shri V. Prem Swarup 3, Dayal Nagar Dayalbagh, Agra

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Rule: 19
List of Members

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Managing Council for the Non-University General Educational Institutions

TERM: 2019-2022 Total Members:19 Quorum: Six (As on 1-7-2021)

Status of Nomination		Name of the Member	
(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- (w.e.f. 1.4.2018)	Dr. Anil Kumar Dwivedi Officiating 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 Distt.- HARDA (MP)-461228
	6.	-do-	Ms. Beenu Kapoor 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

List of Members Managing Council (General) (Contd.)

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TERM: 2019-2022 Total Members:19 Quorum: Six (As on 1-7-2021)

	Status of Nomination	Name of the Member
	8. Principals of Non-Univ. General Educational Institutions (NUGEI) (Ex-Officio) 7830507157 (Mob.) 9286542683 (Mob.) 9997137127 (Mob.)(19.3.2016) Email: tiwariusha1959@gmail.com	Ms. Usha Tiwari Principal Roorkee Model School 5-3, Handloom Industry, Dayalbagh Colony, Ganeshpur (Near Railway Station) ROORKEE-247 667
(d)	9. One teacher from each of the NUGEI by rotation in order of seniority (Term-One year) (2021-2022)	Ms. Prem Pyari (S) Assistant Teacher DEI P.V. Girls Intermediate College Dayalbagh, Agra-282 005
	10. -do-	Shri Satguru Saran Lectuer REI Intermediate College Dayalbagh, Agra-282 005
	11. Teacher representative of Soami Nagar Model School (2021-22)	Ms. Renu Bhandari Teacher, Soami Nagar Model School, Soami Nagar (North) NEW DELHI-110017
	12. -do- (2021-22)	Ms. Neha Chandrakar Teacher, Radhasoami Adivasi Higher Secondary School, C/o Manager, Rajaborari Estate TIMARNI, Dist Harda (MP)461228
(e)	13. Two nominees of the Governing Body from amongst its members (GBR-3 dated 28.2.2019) (Mob.: 9425323538) (E-mail: gs.solanki53@gmail.com)	Justice Gulab Singh Solanki 179, Rani Bagh (Main) Khandwa Road, Indore- 452020 M.P.
	14. -do-	Prof. V.B. Gupta 3/173, Prem Nagar Dayalbagh, AGRA-282 005
(f)	15. Director, Secondary Education, Uttar Pradesh (Ex-officio) Email:decsecedu@gmail.com Phone:0522-2239006 9454457216(Mob)	The Director Secondary Education, Govt. of U.P. Directorate of Secondary Education 18, Park Road, Raj Bhavan Colony Hazartgang LUCKNOW-226001

List of Members Managing Council (General) (Contd.)

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TERM: 2019-2022 Total Members:19 Quorum: Six (As on 1-7-2021)

	Status of Nomination	Name of the Member
(g)	16. One nominee of Ministry of Education, Government of India. +91-11-23074199(0) +91-9911271412(M) (w.e.f. 16-3-2020)	Shri Sandeep Jain Under Secretary to the Govt. of India, Ministry of Education Dept. of Higher Education, Room No. 535 'C' Wing, Shahstri Bhawan NEW DELHI-110001
(h)	17. One nominee of the Managing Committee of the REI, Dayalbagh, Agra	Prof. S.S. Bhojwani 3/43, Prem Nagar Dayalbagh, Agra-282 005
(i)	18. One nominee of the DEI Prem Vidyalaya Society, Dayalbagh, Agra.	NIL
(j)	19. One nominee of the DEI Higher Secondary School Society, Dayalbagh, Agra.	NIL (Society Merged with MCREI)
(k)	20. 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. Email:mk040870@gmail.com	Professor Asha Sinha (Ex-Professor of Home Science) 3/52, Prem Nagar, Dayalbagh, Agra-282005
	21. -do- (Mob. 8527578107) (Mail id: rajaborariestate@gmail.com)	Shri Shivendra Bhatnagar Manager Rajaborari Estate Timarni, Distt. Harda-461 228 (M.P.)

Invitee
Ms. Jayati Mathur
Coordinator
DEI Primary Education Section
Dayalbagh, Agra-282005