Annual Report Dr. A Garg, Director

1308 students of B.Tech, B.Pharm, MBA, MCA, M.Tech and M.Pharm have graduated in June 2021.

Progression History

KIET Group of Institutions (KIET) was established in 1998 at Ghaziabad (Delhi-NCR) with an annual intake of 180 students. It is an AICTE approved Institution affiliated to Dr. A.P.J Abdul Kalam Technical University (AKTU), Lucknow. KIET offers UG & PG courses in **four disciplines i.e. Engineering, MBA, MCA & Pharmacy**. With the glorious legacy of 23+ years, the Institute now has 6500+ students and is empowered with 350+ highly qualified full-time faculty to nurture our students.

The Institute in the **A.Y 2021-22**, has a sanctioned intake of **1870** including all its UG & PG programs. **Three new courses** (i) B.Tech CSE (Artificial Intelligence & Machine Learning), (ii) B.Tech CSE (Artificial Intelligence) & (iii) Diploma in Pharmacy has been approved by AICTE w.e.f. A.Y 2021-22 with 60 seats each. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

Institute Recognition/Awards (A.Y. 2020-21)

- 'Outstanding Engineering Institute for Promoting Industry Academia Interface' in recognition of Institute's exemplary contribution to the Education Sector, 19thWorld Education Summit-2021 (9-12 Jun'21) organized by Elets Technomedia (P) Ltd.
- Mahatma Gandhi National Council of Rural Education (MGNCRE), MoE, GOI has recognized KIET as one of the exemplary Performers in Swachhta Action Plan (SAP) Green Campus Initiative and recognized for 'One District One Green Champion' Award. (31st May'21).
- "Best Engineering College in North India for Placement 2021" award in recognition of the Institute's outstanding & exemplary contribution towards Education Skill Development & Research during the 7th Higher Education Summit cum 14thRashtriyaShiksha Gaurav Puraskar Ceremony 2021 (17-19 Apr'21) organized by Centre for Education Growth and Research (CEGR) (19 May'21).
- "Excellent Institute in Skill Development Programs" award in recognition of best work done in Education & ICT arena announced during 16th National Education Awards 2021 by CMAI Association of India, live during World Summit on the Information Society (WSIS) A United Nations event held virtually (6 May'21).
- "Excellence in Promoting Industry-Academic Interface North" by ASSOCHAM during their 14th National Education Summit on NEP 2020 Transforming Educational Landscape of the Nation and Carving a Road Map for Implementation. (20th Feb'21)

- Star Local Chapter by NPTEL based on the Institute's consistent performance over a period of the last 8 semesters. Only16 Institutions have come in this Special Ratings Local Chapter Stars for the time span (2017-2020), and KIET being one of them (only Institute in North India) (Mar'21).
- KIET accorded with 'GOLD' Rating in AICTE-CII Survey 2020 (Jan'21)
- "Outstanding Career Building Support for the students" Award (A.Y 2019-20) by ISIE India. (Dec'20)
- "Top & Most Promising Engineering & Technology College of the Year 2020" North India Award under "Quality Education, Infrastructure & Placements" Category for the year 2020 (Nov'20).
- KIET received AICTE Utkrisht Sansthan Vishwakarma Award (USVA)- 2020 in category3 Material/Product manufactured/Developed (II position) (17 Sep'20)
- KIET categorized as 'Band A' Institution i.e. among Top 25 Institutions in category of 'Private/Self-Financed College/Institutes' in ARIIA 2020 rankings. (18 Aug'20)

Brief summary of the activities and achievements of the institute for the academic year 2020-21.

Academic Performance

Consistency in maintaining academic results and achieving top result in the University is one of the key strengths of KIET. Analogous to every year's achievements, KIET is proud to affirm that its **20 students** (B.Tech-8 ranks, MBA- 4 ranks, MCA- 2 ranks, B.Pharm- 3 ranks, M.Pharm-2 ranks & M.Tech-1 rank) have brought laurels to its name by getting their names apparent amongst **top ten** at the University level including **three gold**, **four silver** and **two bronze** medals for **session 2020-21**. The Institute is privileged to have excellent quality of students, required support of their parents and dedicated efforts of faculty which has built **KIET Group of Institutions a brand in U.P.**

In addition to the awards and incentives to motivate meritorious students, the Institute gives special attention to weak students through special counseling, doubt and concept clearing sessions. Meritorious students are encouraged to learn beyond syllabus through student seminars, by writing research papers for participation in National and International seminars and by taking up Industrial projects.

I am happy to state that a very vibrant and supportive academic environment prevails in the Institute that enables all sections of its students, staff and faculty to develop and realize their full potential. Institute has already adopted the format of **Outcome Based Education (OBE)** in the whole learning structure. For promoting teaching and learning beyond syllabus at institute level, many technical clubs/innovation centre are operational for skill enrichment of students.

At KIET a **N.C.C.** Army wing company of 60 boy cadets has been established under the 35 UP Battalion. Institute strongly supports financially and morally to all the activities of NCC being held in the Institute.

Institute also has well established **KIET SSB Academy** for imparting pre selection SSB interview to candidates aspiring to join Armed Forces as officers. KIET SSB Academy has excellent infrastructure. A separate training area in the Campus has complete obstacle course consisting of Progressive group tasks, Command tasks, individual obstacles and various other group testing facilities.

To ensure quality enhancement, the Institute periodically conducts the performance audit of the departments by the **Internal Quality Assurance Cell** which includes review of teaching-learning methodologies, extension activities, co-curricular and extra-curricular activities conducted during the academic year.

Intellectual Capital

I am glad to report that currently KIET has 350+ faculty members on its roll.

The institute gets glorified with the research papers written, presented and published by its faculty members in the year 2021. **386 publications** (SCI/SCOPUS) in journals and conference proceedings (National/International) by our faculty members. In addition, total **92 Patents** have been filed/ published /granted in the A.Y 2020-21. I would like to congratulate all those faculty members who have made their fair contribution through research publications, filing /publishing of Patents.

I feel happy to report that 12 faculty have been felicitated with Young Dronacharya Award for Best Teacher (Department level) and 10 faculty have been felicitated with CV Raman Award for Best Researcher (Institute level), 86 faculty recognized for their outstanding contribution other than academics & research, 21 staff members felicitated with 'Star Employee Award', 78 members felicitated with 'Long Service Award' & 20 members felicitated with 'Corona Warriors Award' in the A.Y 2020-21. Thefaculty members of KIET are its assets who differentiate it from other institutes and make it one of the best institutes in U.P.

In our endeavor to continuously improve the **quality of teaching-learning process** so as to make the educational journey most productive and satisfying for students and teachers both, KIET Group of Institutions has **distinctive mentor-mentee concept** to support students in pursuit of their learning, monitor and evaluate their academic performance, extend guidance and take care of their personal and emotional concerns. Also, we have mentoring system '**Induction Training**' in place for new joinees both at institute and dept. level to aid integration into the workplace and help them understand organization culture. Besides, KIET Group of Institutions regularly organizes faculty development programmes and training sessions for augmenting the technical,

subject specific and soft skill knowledge of its faculty members leading to their holistic development. Also, to train our teachers and to keep themselves abreast of the latest trends and new frontiers of teaching techniques we sponsor them to attend Short Term Courses (STCs), Faculty Development Programmes (FDPs), Quality Improvement Programmes (QIPs) as organized by institutes of repute from time to time.

I am delighted to share that Institute has a well established Research & Development Committee, a collaborative Research & Development Committee, Departmental Research Committee to take care of KIET Research policies & IPR policy for Patents are effectively implemented.

Value Additions - Students & Faculty centric

Taking innovative initiative for improvement leads to overall growth of an organization. KIET takes pride in notifying the following value additions made during the year:

- ♣ Formation of Student's Club : GPAT Club @ KSOP
- Formation of Unnat Bharat Abhiyaan (UBA) Cell @ Institute level
- ♣ Revision Scholarship/Incentive Scheme (Students)
- ♣ Formation of Students Higher Education Preparation Club
- ♣ Formation of Computer Programming Proficiency (CPP) Cell
- Formation of Students Club 'TechEdventure' for Virtual Lab Development
- ♣ Policy to address Sexual Harassment of Women employees & students @ Workplace
- ♣ Formation of Value Education (VE) Cell KIET Nodal Centre, UHVPE, AKTU
- ♣ Appointment of Head Skill Development & Finishing School (New Vertical)
- **♣** Formation of Department Placement Cell (DPC)
- ♣ Revision- Incentive Scheme for GATE/GPAT qualified candidates w.e.f. A.Y 2020-21
- ♣ Department of Public Relations & International Relations (PR & IR) & Appointment of Head-Public Relations (PR) & International Relations (IR).

Industry Connect – MoUs

- **♣** FACENS University, Brazil (15 Dec'20)
- ♣ Siemens Centre of Excellence, NIT Kurukshetra (4 Jun'21)
- **♣** YBI Foundation, Delhi (20 Jul'21)
- ♣ BIESSE India Pvt. Ltd. (3 Sep'20)

Year 2020, brought with it, tremendous trials & tribulations. The first wave of COVID 19 that came as a surprise and a biggest challenge to which we KIETians as a TEAM responded well and emerged as a survivor. Subsequently, the **second wave of COVID 19** that was even more severe was also faced with full positivity, despite tremendous hardships @ personal & professional front.

In addition, a fair contribution towards societal obligations has also been made.

I would like to list out the following points that have been pursued during COVID 19 pandemic.

- ♣ Digital literacy acquired w.r.t. utilization of various online platforms
- ♣ Recording of self shoot videos
- Online certifications
- Virtual lab development
- ♣ Utilization of Moodle platform with lesson plan & all links integrated
- ♣ Online mentoring of students
- Online interaction with parents
- Online Placement & Internship support
- → Digital evaluation using Moodle AWS and other platforms like World Assessment Council (WAC)
- Faculty is now well-prepared for **blended mode** of Teaching-Learning process.
- ♣ Constitution of **KIET Covid Task Force** to extend a helping hand/ provide requisite support to the needy @ KIET family (whatever possible) *viz*. Talking to the sufferers to motivate them, Helping in arranging medicines, oxygen cylinders for the needy (07 faculty/staff benefitted), Helping in arranging food with the help of other colleagues in the college/ Taking care of any other requirement/ Ambulance support as per the situation.
- **★ KIET Corona Care Module** (to seek/extend support) has been launched (**developed by In-house team**) to enable immediate help to the affected members of KIET family/ in dire need by the colleagues residing in near vicinity /at a distance who are ready to extend their support/contribute.
- ♣ In order to support the State Government in its initiative to combat COVID 19, a sum of 21 lakhs INR (i.e. Rs. 10 Lacs one day's salary donated by all employees of KIET Group of Institutions & Rs. 11 Lacs by employees of Krishna Engineering College & Managements of both these Institutions as a combined contribution) have been deposited in Chief Minister's Distress Relief Fund (Uttar Pradesh) to support this noble cause & to help out our fellow Indians who got adversely impacted due to this exigency.
- ♣ Medical device: Oxygen% monitor (OXYCON) Oxygen Concentrator Plant Monitoring and Controlling Unit. It works on the principal of monitoring of the parameters of Oxygen with the help of Oxygen Concentrator sensor, Humidity and Temperature sensor. Ready for Users Trial @ MBS India. Faculty Coordinators Dr. Shubham Shukla & Prof. Sachin Tyagi (ECE).
- ♣ Mr. Sachin Rathore (KIET Design club) **designed & fabricated** India's frugal **-DIY face shields** -257 nos. & donated to the health workers of the Government Hospital (MGM) Ghaziabad and about 57 Shields to the persons of UP Police, Ghaziabad. As per the feedback of front- line warriors, they feel safer and confident after this shield.
- ♣ 6 innovative projects (COVID-19) submitted by our students have been showcased in the Online Prototypes Inauguration and Rendering Ceremony @ AKTU (2020)
- **♣ Knowledge sharing** by faculty/staff members to all KIETians with an objective to keep them motivated and to confront this challenging phase with full positivity, beat the prevailing uncertainties and regaining confidence, providing emotional support/ wellness etc.
- ♣ KIET Covid-19 Task Force conducted a virtual 'Tel-e-Tel session by KIET Corona Fighters'. The event provided a platform where our KIET Corona Fighters shared their phases of critical situations and experiences and boosted the morale of all of us.

- ♣ Voluntary contribution by KIETians (donated a part of their salary) including contribution from KIET Management amounting INR 18 Lakhs was released to the family of deceased faculty members (3 nos.) who have lost their lives due to Covid 19.
- ♣ KIET Management was kind enough to support KIET Alumna of EN (2016-2020) batch, Meghna Singh suffering from Covid and approved the release of fund amounting 50,000/-. She has recovered now.

Extracurricular & Co-Curricular Activities

KIET Group of Institutions gives equal importance to curricular, co-curricular and extracurricular activities. KIET regularly organizes a plethora of such activities to give a maximum opportunity to its students to groom into confident and strong personalities - enrich their learning experiences. The institute promotes participation of students in technical and cultural events of various institutes of repute at National level too. Numerous students of our institute took away a range of awards and certificates, won appreciations and brought name and fame to us.

Notable Achievements by our students (A.Y. 2020-21)

- ♣ KIET has been featured in Hacker Rank's Research 'The Best New Tech Talent May Not Be Where You Think: A Guide to Hiring from Universities in 2021' on the industry-readiness of early tech talent across the world, which has been featured in The Economic Times. Findings revealed that students at KIET show exceptional proficiency in Python and ranked 5thout of 1149 universities from 102 different countries. (27 Jul'21)
- ♣ Team Tech_Army and team Divyank Goyal (IT 2nd Year), Tushar Gupta (CSI 2nd Year) & Kushagra Goel (CSE 2nd Year) has secured 3rd position and winning a cash prize of 25000/- and a PPI opportunity at HackRx 2.0 organized by Bajaj Finserv. (26 Jul'21)
- ♣ Himank Sharma (CE), Rahul (CE) & Satyam Kumar Giri (ME) have been awarded the Appreciation Certificate 'The Great Geek Reader' for Excellent Reading Habit (Jun'21 month) on the Nalanda consortium platform (My Loft) by AKTU.
- ♣ Mr. Aditya Shukla (B.Tech. 3rd year, ME) cleared the CSWE-MD and now he is certified from Dassault Systems at Expert level in Mechanical Design. SOLIDWORKS Expert (CSWE) certification is considered an industry benchmark for 3D design. (30 Jun'21)
- ♣ KIET Team Interstellars (SAE Club) bagged Phoenix Award (College/University Division) at NASA Human Exploration Rover Challenge 2021 in recognition of the best improvements that they had made in their design and presentation. (16 Apr'21)
- ♣ Ms. Shriti Pandey, B.Tech (CE-Alumna), Founder Strawcture Eco has got featured in renowned American Business Magazine 'Forbes' as one of the Top young Entrepreneurs in its release Forbes 30 under 30 Asia 2021 edition under the category Industry, Manufacturing & Energy. (Apr'21)

- ♣ Mr. Dinesh Kumar of EN branch has got All India 7th Rank in Engineering Services Examinations (ESE)-2020, also referred to as IES (ESE/IES-2020). (Apr'21)
- ♣ Recognition to EI students (05) towards project Development "Automatic Calibration of Test Equipment" by Air Officer Commanding, 13 Base Repair Depot Air Force Palam, New Delhi. (Mar'21)
- ♣ KIET Student's team won the Second prize in 'Technovation', an annual national level technical Hackathon organized by Greater Noida Industrial development authority in collaboration with Sharda University under the theme of sustainable amenities and facilities design (7 days Hackathon). There were 400+ teams and 1200+ students competing from all over India.(Mar'21)
- ♣ IEEE Uttar Pradesh Section acknowledged the commendable contribution by IEEE KIET student branch & its representative Mr. Samarth & awarded Certificate as a token of appreciation. (Mar'21)
- ♣ CE department Student's team bagged 'Best Road Safety Club 2020'andgot selected among the top-performing colleges of iSAFE UP- Road Safety Clubs in Uttar Pradesh 2020 Edition. Team got a certificate, Memento & reward of INR 5,000 by Hon'ble Transport Minister, UP. (20 Feb'21)
- ♣ KIET Student's team secured first position in Smart India Hackathon 2020-Hardware edition. Team-Tech Army has proposed the winning solution for the Ministry of AYUSH, Govt. of India.(Feb'21)
- ♣ Rank achieved by ECE students (04) from Space Technologies Centre of Excellence in 'MAPATHON' (organized by IIT Bombay + ISRO + AICTE) on 11 Feb'21.
- → IT student, Ashish Mishra got Appreciation Letter for successfully completing internship in "Analyzing seasonal and inter-annual turbidity of a wetland ecosystem in India" using Machine Learning and Time-Series Modeling by National Remote Sensing Centre on 7 Sep'20.

Beyond Curriculum Initiatives

Beyond curriculum technical clubs and centres of excellence at KIET, are the most significant assets of Institute as they act imperative to the intellectual & technical development of the students, giving them highly needed hands on experience. The Initiatives taken by Institute includes Innotech- Inter Institute Technical Fest, Value added programmes, project exhibition, motivating students for doing certification courses, KIET Koders Korner - for competivie coding, participation in hackathons and skill based competitions, On-line Mock test through MOODLE, regular summer and winter schools on identified topics, training workshops & Technical sessions to facilitate them in gaining hands-on experience, industrial trainings - empowering them with requisite skills needed for employment, quizzes etc. and a dedicated team to groom our students in multidimensional areas *viz.* soft skills, aptitude building, communication and universal human

values and professional ethics thereby facilitating them to confront the challenges of outside world with confidence and become a better human being.

KIET Group of Institutions encourages its students to innovate and extends all feasible support to facilitate them realize their dreams into a successful venture. Testimony to this is KIET student's involvement in **designing and fabrication of different vehicles** (at dedicated workstations) under the mentorship of faculty advisors and showcase of their innovations in National level competitions and winning accolades. Some of the Society of Automotive Engineers (SAE) events are:

- Design and fabrication of All Terrain Vehicle by Team Immortals (BAJA event)
- Design of Three Wheeled Hybrid Tricycle (eco friendly) by Team Incredibles (Efficycle event)
- Design & fabrication of Formula 7 Car by Team Invincibles (SUPRA event)
- Design & fabrication of Onion Harvesting Machine (TIFAN event)
- Design & fabrication of Human Powered 4 wheeled vehicle capable of maneuvering off roads as per other planets (NASA HERC event)
- Design & fabrication of Radio Controlled Aircraft (SAE Aero Design Challenge)

Placement Synopsis

KIET is consistently achieving remarkable placements with National and Multinational Corporate. KIET strives hard to bring utmost satisfaction to the lives of its students through ample placements opportunities. **Batch 2021** had excellent placement as follows:



Students are being encouraged to go for post graduate studies and appear for GATE/GPAT. Every year students are performing well at National level *viz*. GATE, GPAT, IES, PSUs. Good numbers of students are getting post graduate admissions in IISc / IITs / NITs and in foreign Universities.

Industry Connect

Industry Connect is one of the three core principles of KIET Group of Institutions, the other two being 'Value driven' and 'Skill Oriented education'. KIET has developed distractive multi-level mechanism of its own to promote a unifying interface with Industry. Connecting academia to the Industry gives real experience to the students while studying. I am happy to report that regular interactions (Industry & Academia experts) and industrial visits were organized with an objective to keep the students abreast of latest developments and technology and to exhibit the real life applications of their learning and make them 'Do Engineers'.

To facilitate better practical understanding of new and complex engineering concepts, faculty members are also encouraged to visit industries, use ICT in their lectures by use of animations, video clips and power point slides. Significant time and resources are spent on bridging the gap between industry and academia through inviting subject matter experts, deputation of faculty to industries, industrial consultancy and job related skill training.

Significant Achievements of TBI – KIET (2020-21)

- NSTEDB, DST, Govt. India has sanctioned NIDHI-PRAYAS scheme for 2nd round on the basis of successful completion of 1st round. 1st PMC meeting for Round-2 was organized from 7th to 10th October, 2020 and selected 15 nos. PRAYASEE through online. Total support for 2nd round Rs. 1.20 crore.
- NSTEDB, DST, Govt. India has sanctioned NIDHI-EIR scheme for 3rd round on the basis of successful completion of 1st& 2nd round. 1st PMC meeting for Round 3rd was organized on 3rd & 4th December, 2020. Total support for 3rd round Rs. 39.60 Lacs.
- TBI-KIET received a grant of Rs. 10,00,000/- only from Mahindra World City-SEZ under CSR related activities for the F.Y. 2020-21.
- Received 2nd installment of Rs. 19,06,500/- from MEITY, Govt. of India for TIDE 2.0 Scheme aspirants.
- Grant received of Rs. 12,42,500/- from UPIT, Govt. of U.P. for infrastructure support.
- Received Rs. 5,20,000/- for DST training program on Entrepreneurship development.
- Cheque distribution programme organized on 12th March, 2021 "Startup A Growth Pillar & Cheque Distribution to beneficiaries of NIDHI-EIR, NIDHI-PRAYAS, NSTEDB, DST, Govt. of India and TIDE2.0 (EIR & Grants), MIETY, Govt. of India. The programme was inaugurated & cheque distribution by Chief Gust Shri Siddharth Nath Singh, Hon'ble Minister of Micro Small & Medium Enterprise, Export Promotion, Khadi & Village, Govt. of U.P. and

- Guest of Honor Shri Atul Garg, Hon'ble Chairman-TBI KIET and State Minister of Health, Family Welfare, Govt. of U.P.
- Our two incubatee Enray Solution LLP & Bhurak Technologies Pvt. Ltd. received grants of Rs. 5.00 lacs each for marketing support from UPIT, Govt. of U.P.
- Conducted 01 Women Entrepreneurship Development Programme through "Online Mode" from 18/01/2021 to 15/02/2021.
- Conducted 01 Industrial Motivational Campaign from 11.02.2021 to 12.02.2021 sponsored by Ministry of Micro Small medium enterprises.

Expert Talk & Webinar (Online):

- Organized a webinar on "Smart Solutions for Startups/Incubators" by Mr. Abhishek Srivastava, AVP, Startup Division, HDFC Bank on 28th January, 2021.
- Organized a webinar on "Product design & development" by Mr. Varun, Digital consultant, Wells Fargo and Mr. Harish Venkatash, Founder, Frozen Iris on 4th Feb, 2021.
- Organized a webinar on "Startup Pitching" by Mr. Ankur Goel, Founder & CEO, Skwerup.com on 6th Feb, 2021
- Organized a webinar on "Go to Market" by Dr. Guruprasad Rao, Director & Mentor, Imaginarium India Pvt. Ltd.
- Organized a webinar on curative investment process by Mr. Ankur Goel, Founder & CEO, Skwerup.com on 18th Feb, 2021.
- Expert talk by Mr. Sachinder Garg, CA, SPSG on Legal Compliance of Company Registration on 9th March, 2021.
- Talk by Prof. Satendra Kumar, GM, TBI about the startup ecosystem in Educational Institutions in the state of Uttar Pradesh at DIGITAL GOVERNANCE, STATE ROADSHOW, Uttar Pradesh organized by Microsoft on 17th March, 2021.
- Expert talk by Dr. S.K. Majumdar, Manager, Startup Activities & IP Division, NSDC, New Delhi on "IP Commercialization" on 8th June, 2021

KIET - The Social Spirit

Along with various academic and skill development, KIET Group of Institutions ensures that the values and ethics of its members are continuously triggered and enriched. To inculcate these values, Team NSS and Uddesshya (a society of self-motivated students that works in the field of social welfare and awareness) are active, with an aim to create awareness regarding social and environmental issues and also to inculcate good moral values, ethics and positive attitude amongst the youth. Besides, team Uddesshya in association with KIET UBA cell had extended full support/undertaken various initiatives during corona period.

KIET has adopted **05 villages** under its extension activities. Team Uddeshya & UBA Cell@ KIET carried out awareness programs on rural education, sanitation, COVID-19 - precautionary measures, Social issues - Child labour, health hygiene, Girl education etc.

KIET's spirit of developing technical resources for the nation and to serve the society through insurmountable commitment of its students & alumni is growing with each passing year. The Group instills an 'attitude to excel' in the students in whatever they do which stimulates them to realize their passion with excellence.

KIET Group is a catalyst in **creating excellence in technical education**. The Institute has well laid policies and procedures, well established hierarchical and organizational structure, human resource system. The Group strives hard to groom students in multi-dimensional areas so that they become confident enough to confront the challenges with confidence and contribute effectively in nation building. These all have made this Institute at **par excellence**.

The focus of the Institute is to get evolved as an innovative and exclusive Autonomous University with unique global standards of teaching learning experience, R&D, quality placements and entrepreneurship.

'Every great story on the planet happened when someone decided not to give up, but kept going no matter what'

JAI HIND