

*Annual Report*

**Dr. Sraban Mukherjee, Director**

Hon'ble Chief Guest, **Shri Rajnath Singh**, Union Minister of Home Affairs, Government of India; **Prof. (Dr.) R.K Khandal**, Hon'ble Vice Chancellor, Uttar Pradesh Technical University; Sh. M.P Jain, Hon'ble Chairman, Hon'ble members of Board of Governors; Hon'ble Guests; esteemed Directors and Principals; Deans, Head of the Departments, members of faculty & staff; young graduates; members of media; ladies and gentlemen:

It is my proud privilege to welcome you to the **Convocation 2015** of KIET Group of Institutions at which **856 students of B.Tech / B.Pharm** and **220 students of MBA/MCA**, who have graduated in **June 2014**, will be awarded their degrees and certificates of achievements.

Ladies and gentleman, it gives me great pleasure to present before you a brief summary of the activities and achievements of the institute for the Academic Year 2013-14

Starting with 180 students in 1998 the Institute now has **5246 students** on its rolls in **2014-15**, a substantial growth in 16 years to meet the need of quality technical education in U.P. The Institute in the AY 2014-15, has a sanctioned intake of 1020 students for B. Tech Courses, 120 for B.Pharm and 120 each for MBA and MCA. Against this intake, KIET achieved almost 100 % admission in all its programme.

**Academic Performance**

I am glad to inform you that KIET has been maintaining excellent results over the last several years and has been consistently rated as one of the best Institutions within UPTU (formerly GBTU/MTU). Our **Thirty Three** students have figured in the **UPTU merit list of top 20 students** of each branch for the session **2013-14 (Highest in U.P.)** that includes B.Tech (23 Ranks), MCA (2 Ranks), MBA (3 Ranks) and B.Pharm (5 Ranks). One student (CE branch) bagged **first rank** and received **Gold Medal**, **four students** (CE-1/IT-1/EI-1/B.Pharm-1) bagged **second rank** and received **Silver Medal** and two students (MBA-1/ B.Pharm-1) have obtained **third rank** and received **Bronze Medal** of the University.

The good performance of the college is a result of the continuous support of the management, and the affiliating Universities and concerted effort by all students, faculty and staff as well as disciplined teaching learning process & faculty development initiatives taken by the Institute. The Institute is privileged to have excellent quality of students, required support of their parents and dedicated efforts of faculty which has built **KIET a brand in U.P.**

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. 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/ colloquium, by writing research papers for participation in National and International seminars and by taking up Industrial projects.



## Intellectual Capital

It is heartening to report that KIET has **271 faculty members** on its roll. There are **60 PhDs, 125 PGs** and **75 faculty members** are pursuing their PhD from Institutes of repute. Since May 2014, **six faculty members** have been awarded their Ph.D degree.

Approximately **120+ technical papers** have been published in journals or presented in Conferences (National/International) by our faculty members in last one year. **33 faculty members** have been **felicitated and rewarded** for their **outstanding performance** in Jun'14.

KIET regularly conducts faculty development programs for sharpening the technical, subject specific and soft skills knowledge of its faculty members. Besides, it encourages faculty to participate in FDP /QIP programs organized by other Institutes of repute. I am happy to report that in last one year, **17 FDP /Training** programmes for faculty have been conducted and **16+ Workshops/Conferences/Seminars** including one **International Conference** have been organised.

Employing & retaining quality faculty and to provide opportunities for their growth is the key to have the right academic environment in a Higher Technical Institution. In this aspect, KIET is uniquely positioned in comparison to its peer institutions. It has institutionalized processes, policies and support for nurturing growth of faculty and staff. KIET provides special leaves, fee reimbursement to faculty members for pursuing higher education like Ph. D., sponsorship for attending conferences and seminars, financial rewards for publication of research papers to students and faculty.

## Faculty Recognition:

Our faculty members continuously endeavor to **bring glory to KIET** and thereby they should be congratulated and thanked. Remarkable contributions made by our faculty members are:

- Dr. Neeraj Gupta, HoD EN appointed as **member of Jury Panel** of All IEEE - Region 10 (The Asia pacific Region Engineers' Humanitarian challenge (AIYEHUM 2014) for review the project for sponsorship.
- Dr. Anil Ahlawat, HoD MCA selected as one of the **Technical members** of 12<sup>th</sup> International Conf. on Computer Mathematics and Natural processing organized by World Academy of Science , Engg. & Technology (WASET)
- Prof. Vipul Vibhanshu (ME) - Selected as one of the **editorial board member** - International Institute of Engineers (IIE)
- Article on **"Employability Skills"** by Dr. Nitin Girdharwal, MBA has been published in the **TOI, Delhi edition** dated 25 May'14
- Prof. Varun Gupta (EI) reviewed a book titled "Circuits & Networks" by M.S Sukhija (**Oxford University Press**)
- Dr. Prateek Gupta, MBA has been honored as **Best Hasya Kavi** at the Kavi Sammelan Organized by Sahitya Lok, Meerut
- Dr. Vibhav K. Sachan, EC has been selected as **Editorial board member of the American Journal Sciences & Technology**
- Prof S.K.Tripathi, EN published a book titled "Electrical Instrumentation and Process Control". The publisher is VAYU EDUCATION OF INDIA.



## New Initiatives – Department

Taking innovative initiative for improvement leads to overall growth of an organization. I am happy to share few exemplary contributions made by our departments during the year:

- With an objective to bring efficiency in the system and make best use of technology, the HR dept. took an initiative to **implement HR portal**, with the help of **KIET students**. HR modules of **KIET-ERP (e-Campus Initiative)** - The Attendance, Leave and employee Interaction, Ticketing Module (*Complaint Management System*) are successfully running.
- **Robotics Lab** has been set up by ECE dept. in technical association with **IIT Bombay** for enhancing embedded system & Robotics Education.
- New **Innovation Lab** has been set up in ECE dept. with the help of **Texas Instruments**
- **Apple Lab** has been set up by IT dept. Running **Apple IOS University Programme**.
- KSOP took initiative to have **scientific update program**, to dissipate recent advancement in the field of pharmaceutical sciences and pharmacology
- EI dept. initiated a **Distributed Control System (DCS) Laboratory** to acquaint the students with the present needs of the industry and encourage its usage in their project.
- Concept of *Virtual lab* introduced to II yr. students by EI dept.
- CS dept. started a self learning based **Faculty Club on PHP**, an important technology in developing web applications
- Concept of *flip classrooms* has been introduced in some subjects by MBA dept.
- Departmental committees have been formed in all departments viz. **Placement, Alumni & Skill Development**

## Achievements by students

The students participate in many *extra & co-curricular activities* round the year and showcase their hidden talent which in turn nurtures their overall personality, leading to holistic development.

### National level: *Glimpses*

- Recently, a team of 29 ECE students has participated in a **National Level Robotics Competition**, ROBOCON-2015 held at MIT, Pune. To list a few achievements of the team at **ROBOCON-2015**:
  - ✓ **Ranked 2nd** (1st Runner - Up) all over India (Won Silver medal).
  - ✓ Received **Rs. 50,000/-** as appreciation prize
  - ✓ Each Team-Member has received **Silver Medal**.
  - ✓ Each Team-Member received **MATLAB - 2015 license**.
  - ✓ Got invitation for playing **inauguration match for ROBOCON-2016**.
  - ✓ **ROHM Semiconductors** invited the team for their seminar in THE ORCHID (*Five Star Hotel*) for a **panel discussion on Robotics**.
  - ✓ All the matches from Quarter final to Final were telecasted on Doordarshan.
  - ✓ *Team was interviewed on Doordarshan.*



## KIET Group of Institutions

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- KIET Students team (CS /ME/EC) bagged **3rd position** with a *cash prize of Rs. 30,000/-* in **Tech Top 2014 - Innovative Ideas Competition**.
- **KIET Team Invincibles** won a total cash prize of **Rs. 50,000/-**. **First prize** in CAE award, **Second prize** in SKID PAD and **third prize** in DESIGN.
- KIET *E-CELL* team (*Entrepreneurship Cell*) won laurels at **TECHNICHE-2014** event at IIT Guwahati in Sep'14 and won **top 3 AIR ranks** under the "Corporate Module"
- Team Incredible of SAE KIET Collegiate Club got **first prize** (amongst 90 teams) Won cash prize of **Rs. 1.0 Lakhs overall in SAENIS Efficycle-2014**. The team also won **Lightest Vehicle Award- Cash Prize of Rs. 10,000 & UTILITY Award - Cash Prize of Rs. 25,000/-**
- **SAE-KIET Collegiate Club** was also awarded **1st Prize for Best Collegiate Club** in northern INDIA by the Governing Council of SAE INDIA.

### Other Achievements:

- Mr. Paras Sharma (MCA) completed a project- **Website Development for Amul Distributors, Meerut**
- Mr. Anupam Katiyar (MCA) developed an **Android** based application and uploaded on **Google Play Store**
- Mr. Rajat Srivastava (MCA) won **1st prize of PayTM challenge** He has developed **offline payments** via PayTM using SMS. There were 75 participants including 14 from Harvard University (USA), IITs & DCE.
- CS students' team completed the **website designing project of CSI Ghaziabad Chapter**.
- MCA students Team has won **2<sup>nd</sup> & 4<sup>th</sup> position** & prizes worth **Rs. 3000/-** in an **Inter College Technical Quiz Contest "TECHWIZ 2014"**
- EN Students have bagged **first prize & 5000/- cash** in an **Inter-Institute Cultural Event (Nukkad)**. One of the team members **won best actor award** also.
- A team of 4 students won **first & second prizes/cash/Trophy & certificates** in three different events organized by CSI at RKGIT.
- 2 MCA students won the **second prize & consolation prize** in the **project competition** organized in HI-Tech College.
- 44 students (CS III Yr) got certification from **IITB** for "PHP and MYSQL" Certificate Test
- 31 students (MCA) got **MTA certification** (Microsoft Teaching Associate)
- A team of 10 students won **III prize** in Nukkar Natak event at Thomo'14 held at IIT Roorkee
- Two students of EIE 3<sup>rd</sup> year Rohan Raj and Rahul Bharadwaj got **1<sup>st</sup> position in paper presentation** and **2<sup>nd</sup> position in working model** organized at RKGIT, Ghaziabad by **CSI India**
- Three students (MBA) bagged **I & II positions** at a Management fest organized by NIEC, Delhi.
- Akriti Garg, MBA I year student attended workshop on "Rural Marketing, Agribusiness, Data Analytical" at **IIM Ahmedabad (AMATHEON 2015)**
- Vivek Singh and Pankaj Dagaur (KSOP) won **2<sup>nd</sup> prize** in **Pharma quiz competition** organized by **Amity University, Noida**
- **Frescos - Fresher's Welcome / Epoque - Fest & Spic Macay- Website** has been **designed /launched** by our students (*In-House project*)



- Mr. Deepak Gupta, 3<sup>rd</sup> year (KSOP) won the 1<sup>st</sup> prize in poster presentation

### Students Skill Development Initiatives:

- To develop & enhance the creative skill of students, KIET organises **Tech Fest** every year. In Tech fest this year (Oct'14), the centre of attraction was the **Project Exhibition** wherein 500 students from different branches exhibited more than **100 innovative models / projects** developed by them. Out of 180 projects received **110 projects** were finally demonstrated by students. Approximately, **2000 students** participated in different events viz. technical paper competition/ Robotic race /Junk yard/ technical seminar / Poster presentation/Quiz etc. Also, **126 projects** prepared & demonstrated by students in departmental Project Exhibition organised by CS dept.
- IT dept. is running value added course **IT+ viz. Objective C, C++, Android, Advance Java and Oracle**
- CS dept. introduced **three Hobby Clubs** for 3<sup>rd</sup> year students on **Embedded Systems, Android and IOS** and three **specialized subjects** for II year students viz. **Data Structure, SQL & Oracle**
- **EN dept.** took the initiative to equip the Hobby Club and Workshop with **more number of consumable appliances** viz. Fridge compressor/AC fan motors and compressor for display & explanation to students.
- **EN dept.** is running skill development classes viz. **C & embedded system**
- 40+ skill development oriented projects have been identified / run by the departments under hobby clubs of which few projects have been completed. Total 350+ students were involved in these projects.

### Students Training

- 45 students (EC) have been selected for training under **AICTE -EETP program** for session 2014-15.
- Regular practical sessions on **Lab-View** are conducted under **KIET-NI Lab View Academy** set up in association with **National Instruments, Noida.** (ECE)
- Training programme on **REVIT Structure Software** organized by CE dept.
- Training Program on **Simmens- PLM Software** (*essential for NX-Designer*) organized by ME dept.
- **Concrete Mix Design** training in association with **Ambuja Cements** organized by CE dept. 102 students have undergone one-day training at Gurgaon
- Training on **PLC and SCADA** (50 hrs) in association with **SOFCON India Pvt. Ltd.** organized by EI dept.
- To encourage **learning beyond curriculum**, **16 Summer Schools & 5 Winter Schools** have been organized for students. *To name a few:* Android, Analog Electronics with Cadence OrCAD , Basic of MATLAB and Simulation, PHP, Android with Java , STAAD Pro v8i , Auto CAD, MULTISIM, Lab View etc. **350+ students** have benefitted.



## Placement

Industries across the globe have recognized the challenges of preparing Engineering, Pharmacy & Management Graduates to become industry ready. With this objective, KIET has taken the initiative to run **employability enhancement program** with the help of expert resources. To develop & enhance **employability & entrepreneurship skill** of students, regular training sessions are held. To encourage technical competencies among students, the Institute has promoted **Hobby Clubs** in the departments wherein students are encouraged to work on innovative projects. These are technical projects related to their discipline, with **social relevance**.

Beyond curriculum, **Value-added / Specialized** courses /certification prg. have been started by departments with an objective **to develop and enhance particular skill** of the students / significant exposure to professional Engineering practices. Students are being encouraged to go for post graduate studies and appear for GATE. I am happy to report that 250+ students have qualified GATE 2014 and out of it 13 ranks in first 500 (AIR)

Almost every department made efforts to train its students for maximum campus placement. They planned and conducted **Seminar cum Campus connect programs, Aptitude revision sessions, PDP (Soft Skills) Sessions, Mock GDs and Mock Interviews**, in association with various agencies of repute like HCL, United Health Group, B3 Solution, N-Vision, Impetus, DELL, ACE Academy, Made Easy, TIME, IES Academy, Career Launcher and many others, to prepare them for placement drives.

KIET has consistently achieved a good placement record with premium companies. Batch 2014 had 70% placement. Regular recruiters of the institutes of the KIET Group includes companies like Samsung, TCS, Dell, Indian Navy, Indian Army, Honda, Tech Mahindra, Wipro, CSC, Cummins, HCL, Hitachi, Fiserve and many others.

## Industry-Academia Connect

Other important aspect of creating a learning environment is inviting experts from industry and academia on regular basis to facilitate large scale interaction and exchange of ideas/ knowledge. **Connecting academia to the Industry** gives real experience to the students while studying. In this direction KIET has made significant efforts.

### Centre of Excellence:

- Recently, **KIET Group of Institutions** signed MoU with **Reliance** Foundation to open a **Skill Development Centre** at KIET. Reliance Jio will set up an **advance 4G network Lab** at KIET.
- Collaboration with **APPLE** for **ios** Apple University programme
- MoU signed for **TI University programme** with **Upheave Systems Pvt. Ltd.** New **Innovation Lab** in ECE dept. has been set up with the help of **Texas Instruments**
- Designated as **Nodal Centre for Virtual Labs** by **IIT Delhi**.



### Consultancy Projects:

In the institute's venture of tying up with industries, some of its meticulous faculty members have received the opportunity to provide consultancy to industries. To mention a few projects in hand are:

- ECE Industries, Vigital India & Ghaziabad Techocrate (EC dept.)
- Premiere Trading, Meerut & Vizortex (EN dept)
- Website development for Aria Telecom & Appsolute Digitech Pvt. Ltd. (MCA dept.)

### Others:

- Design mix consultancy worth Rs. 50,000/- received from Amrapali Construction Company and Rs. 22,500/- from Tech Mech. International Pvt. Ltd. received for Consultancy rendered by Dr. J. Girish, HoD CE
- AMS, Feedback application related service configuration in KEC by MCA dept.
- Design verification of Silo Design carried out. Client: ED&RPL (CE dept.)

### Projects undertaken by students

- Mini Hydro Power Plant project developed by our students in collaboration with Premiere Trading, Meerut (EN)
- Live project on Design of bridges in association with Chaitanya Projects Pvt. Ltd. (CE)
- Project development under the supervision of one.com professionals (IT)
- Project design for TI University program with Upheave Systems Pvt. Ltd., University Program Partner of Texas Instrument, India. (EC)

### Grants Received:

- Grant of Rs. One Lakhs from IITB for procurement of equipment under Akash Lab project. (CS)
- Grant of Rs. 1,60,000/- from IITB for conducting two Workshops on "Computer Programming" & "Computer Networks" in Jun-July 2014 (CS)
- Grant of Rs. 40,000/- from IEI (The Institution of Engineers India) for a project titled "Design & Fabrication of 200W flexible photo voltaic energy conversion system"

### Industry Visits:

To co-relate the theoretical concepts of the subjects learnt in the classroom with the Industry and give practical orientation to the subject, the institute endeavors to take its students for industry visits time and again. To list a few Industries visited by our students:

- ✓ Dabur India, Sahibabad organized for MBA II yr. students
- ✓ Birla Tyre, Laksar, Haridwar organized for students of ME II & III yr
- ✓ Unichem, Baddi organized for B.Pharm final year students
- ✓ Mother Dairy, Sahibabad for MBA II year students
- ✓ ECE Industries, Ghaziabad organized for 3<sup>rd</sup> year ECE students
- ✓ Shri Ram Pistons, Ghaziabad organized for ME III yr. students
- ✓ 400 KV, Muradnagar organized for EN III yr. students
- ✓ Teva API Pvt. Ltd, G. Noida organized for M.Pharm students
- ✓ Bisleri International Pvt. Ltd., Sahibabad for MBA I year & ME III yr. students
- ✓ Yakult, Sonipat for MBA II year students
- ✓ Gauri Components, Meerut for II & III yr. ME students



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- ✓ NSE, New Delhi organized for MBA II year finance students
- ✓ Cachets Pharma, Baddi organized B.Pharm final year students
- ✓ Solar Energy Centre, Faridabad organized for ME III yr. students
- ✓ GSC Glasswares, G. Noida organised for final year MBA (HR) students
- ✓ Vapi Healthcare, Baddi organized for B.Pharm final year students
- ✓ Kusum Healthcare, Bhiwadi organised for final year B.Pharm students
- ✓ Innova CapTab Pharma, Baddi organized for B.Pharm final year students

**Invited Expert Talks:** Eminent speakers from *Industry & Academia* are regularly invited to keep the students abreast of *latest developments & technology*. Also, regular training sessions by experts are being organized. Approximately, **30+ Invited/Expert talks** from Industry & Academia have been organized.

Speakers	Date	Dept.
Dr. Gajanan M. Sabnis , <b>Emeritus Prof, Howard University</b>	7 Aug'14	CE
Mr. C.P Narang, GM- Business Development, <b>Ambit Switchgear Pvt. Ltd</b>	20 Aug'14	MBA
Experts from <b>Schneider Electric</b>	22 Aug'14	EI
Expert - <b>CMC Noida</b>	22 Aug'14	MCA
Ms. Natasha Singh, Sr. VP HR, <b>Steria India</b> , Gurgaon	30 Aug'14	MBA
Mr. Mukesh Kumar, Deputy Manager, <b>Philips Electronics India</b>	30 Aug'14	IT
Mr. Sandeep Karan, <b>CAC Noida</b>	3 Sep'14	MCA
Mr. Kuldeep Tyagi, DGM , <b>Infotech Ent.</b>	4 Sep'14	EN
Dr. K.K Singh, <b>Certified Trainer &amp; Consultant</b>	4 Sep'14	ME
Mr. Manoj Sehgal, HR <b>InterraIT India Pvt. Ltd.</b>	5 Sep'14	IT
Mr. Prashant Dwivedi, Managing Director, <b>Aahaan Creatology</b>	16 Sep'14	MBA
Mr. J.C. Singhal, President, Institution of Water & Environment, <b>IEI</b>	15 Sep'14	CE ( <i>Engineers Day Celebrations</i> )
Mr. Suresh Chandra, <b>Consultant</b> –Water supply, sewerage and drainage projects		
Mr. Bhupinder Singh Sidhu, Zonal Head, <b>Ambuja Cement</b>		
Mr. Mehra, Manager in <b>GPATtutor.com</b>	Oct'14	KSOP
Prof. Jitendra Chhabra, <b>NIT Kurukshetra</b>	1 Nov'14	IT
Mr. Vishal Gupta, Asst. Manager HR - <b>Samsung Software Lab</b>	1 Nov'14	CRPC
Mr. Anuj Rastogi, System Engineer, <b>Infosys</b>	12 Nov'14	EN
Mr. Prashant Dwivedi, Managing Director, <b>Aahaan Creatology</b>	15 Nov'14	MBA
Mr. S.K. Gupta, Sr. G.M. (Human Resource), <b>Bhushan Steel Ltd</b> , Sahibabad, Ghaziabad	15 Nov'14	MBA ( <i>Skill Development Prg. on Employability Skills</i> )
Mr. Ajit Tulo , Director –CDR & Mr. Sunil Tyagi , Manager HR <b>PENTAIR INDIA , Noida</b>		
Mr. Vipul Singhal , Manager-Marketing, <b>Sahara News Network</b>		
Mr. Dinesh Kumar, Relationship Manager, <b>HDFC Bank , New Delhi</b>		
Mr Pawan Shukla, Senior Business Analyst at <b>Xerox</b>	15 Nov'14	CS ( <i>Departmental Project Exhibition</i> )
Mr. Abhishek Jain from <b>Oracle</b>		
Mr.Sanjay Rai Scientific officer at <b>NIC, Delhi</b>		



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Mr. Primal Gupta ,Director and Founder of Assurance Pvt. Limited	Dec'14	MCA
Ms. Priyanka Tyagi , Sr. Software Engineer, Smart Utility Services	Jan'15	MCA
Dr. Madhullika Kaushik, Deputy VC, Wawasan Open University, Malaysia"	Jan'15	MBA
Mr. Ankur Pachuri, Crome Infotech	Feb'15	MCA
Mr. Vidya Bhushan, OSD, Ghaziabad Development Authority (GDA)	Feb'15	CS
Mr. Piyoosh Moona, Chief Manager, Treasury, Intel Capital Ltd.	Feb'15	MBA

### TBI-KIET

I am happy to report that, since inception, 33 **Incubatee companies** have established their venture in KIET- TBI. Presently **13 nos.** are operational and 20 have graduated successfully. Under these incubate companies initially 38 nos. (All students of KIET) were placed as interns and now 34 are full time employee. **28** out of these 33 Incubatee are **KIET's ex-students** of ECE/CSE/IT & ME branches, who have opted entrepreneurship as their career option. These incubate companies have either developed very innovative projects or are in the process to commercialize the same. Also, KIET-TBI provides training to students, staff & faculty in the area of Entrepreneurship. In the financial year 2013-14 total **1240 participants** have been trained through various types of programmes.

### Significant Achievements-TBI:

- **NSTEDB, Department of Science & Technology, Govt. of India** has approved **Rs. 16,50,000** (Rs. Sixteen lacs fifty thousand) under Support to organize 16 different programmes for the financial year **2014-15**
- **Mahindra World City-SEZ, Jaipur** Sanctioned grants of **Rs. 12,10,000/-** (Rs. Twelve lacs) to organize *entrepreneurship programme* on different trades for financial year **2014-15**.
- **5 final patent and 1 provisional patent** have been filed.

### Institutes' Recognition

1. **Dialogue India Academic Award 2014:**
  - ✓ KIET - Adjudged as **2<sup>nd</sup> Best Engineering College in UPTU** (NCR region)
  - ✓ KSOP - Adjudged as **Best Pharmacy College in UPTU**
  - ✓ KSM (MBA) - Adjudged as **2<sup>nd</sup> Best Management college in UPTU** (NCR region)
2. **National Employability Award 2015**
  - ✓ KIET received **Aspiring minds National Employability Award 2015** organized by AMCAT consecutively second time.
3. **MBA dept. – Ranked AA+ by Digital Learning India among India's BEST private B-Schools 2015**

### KIET - The Social Spirit

KIET admires the students & faculty who values social work and takes initiative to work for a social cause. Some of the initiatives taken by our students & faculty in collaboration with KIET are as follows:



## KIET Group of Institutions

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- **Blood donation camp:** KIET conducted a Blood donation camp in association with the *Rotary club on 15th of Oct'14*. A good number of students, faculty and staff members donated blood voluntarily for a noble cause.
- **Collection drive and distribution:** The *Flood in Jammu & Kashmir* was one of the biggest calamities in India this year. A collection drive was conducted by KIET to raise relief material and donated to NSS team in City hospital, Tengpora, Srinagar, J&K, in *Oct. '14*.
- **Contribution for Prime Minister's National Relief Fund:** A cheque of *Rs. One Lakh* (collected through voluntary contribution by KIET management and students) was presented to the Prime Minister's National Relief Fund by for the catastrophe in J&K.
- **Distribution of blankets:** NSS wing, in the assistance of the benevolent management and faculty members/staff of KIET, *distributed blankets to the underprivileged people* to alleviate the severe curse of winter on *28<sup>th</sup> Oct'14*

The Vision of the college is **"To achieve excellence in technical education and create competent professionals for Industry & Socio-economic development to meet National and International needs"**. To fulfill this, the Institute is continuously striving to achieve *excellence* in the following areas:

- Use of *e-learning* content in the Teaching-Learning Process
- **Practical Orientation** to the subject taught
- Improve **Academia-Industry** connect
- **Institutes' visibility** in comity of technical institutions
- Thrust on **Research**
- Regular **FDPs**
- **Employability Enhancement** of students by conducting skill oriented training beyond curriculum

Our Institute focuses on **developing technical resources** for the nation with a special emphasis on **holistic development** of students, imbibing professional **ethics & values** during their stay in campus, so that, not only they get employed in a good organization or opt for higher education/research but also develop **entrepreneurship spirit** within them so they create employment for others, in turn **serve the society**.

The Institute has been able to maintain its position of leadership among the Institutions of higher Technical Institution in the state of Uttar Pradesh. With total commitment of KIET's management, faculty, staff and students and benevolent support of the University, I am confident that the Institute will achieve a position of eminence in the field of technical education in the country in the years to come.

KIET Group is a catalyst in **creating excellence in technical education**. The Institute has well laid policies & procedures, well established hierarchical and organizational structure, human resource system. These all have made this Institute at par excellence.

At the end, I once again express our deep gratitude to the Management for nurturing the growth of the Institute, and to Shri Rajnath Singh Ji, Hon'ble Union Minister of Home Affairs, Government of India, Prof. (Dr.) R.K. Khandal, Hon'ble Vice Chancellor - Uttar Pradesh Technical



## KIET Group of Institutions

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University, for honouring us by their presence on this solemn occasion; to the students who have done proud to us and are the reason for our existence and to our faculty and staff for their contribution in the growth of the Institute.

We are keenly aware that 16 years is a short period in growth of an Institution of higher Technical Education and that the journey has just begun and we have a long way to go. To reflect this, I would like to conclude with the inspiring lines from Robert Frost:

*The woods are lovely, dark, and deep,  
But I have promises to keep,  
And miles to go before I sleep,  
And miles to go before I sleep.*

JAI HIND



## *Annual Report*

**Dr. J. Girish, Director**

**Hon'ble Chief Guest, Shri Mukul Singhal, IAS**, Principal Secretary, Department of Technical Education, Government of Uttar Pradesh, Lucknow, **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University; **Sh. M.P Jain, Hon'ble Chairman**, Hon'ble members of Board of Governors; Hon'ble Guests; esteemed Directors and Principals; Deans, Heads of Department, members of faculty & staff; young graduates; members of media; ladies and gentlemen:

It is my proud privilege to welcome you to the **Convocation 2016** of KIET Group of Institutions at which **954** students of B.Tech / B.Pharm and **227** students of **MBA/MCA**, who have graduated in **June 2015**, will be awarded their degrees and certificates of achievements.

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Starting with **180 students in 1998**, the Institute now has **5499 students** on its rolls in **2015-16**, a substantial growth in **17 years** to meet the need of quality technical education in U.P. The Institute in the AY 2015-16, has a sanctioned intake of 1020 students in B. Tech Courses, 120 in B.Pharm and 120 each in MBA and MCA. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

### **Academic Performance**

I am glad to inform you that KIET has been maintaining excellent results over the last several years and has been consistently rated as one of the *best institutions* in Uttar Pradesh. Our commitment towards achieving quality in academics and nurturing overall personality of our students resulted into **academic excellence** as reflected by our **2014-15 result** in which **36 students** [B.Tech (24 Ranks), MCA (4 Ranks), MBA (3 Ranks) and B.Pharm (5 Ranks)] secured position in **merit list of top twenty students (Highest in U.P.)**. Three students (ECE, ME & B.Pharm) bagged **first rank** and received **Gold Medal** and one student (ME) bagged **third rank** and received **Bronze Medal** from AKTU.

The academic excellence is a result of the continuous support of the management and constant effort by faculty and staff as well as **focused teaching learning process** and faculty development initiatives taken by the Institute. The Institute is privileged to have excellent alumni, quality intake and dedicated efforts of faculty which has built **KIET a brand in U.P.**

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. 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 workshops, contributing research articles in *National and International* seminars and by **taking up Industrial projects**.



# KIET Group of Institutions

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## Intellectual Capital

It is heartening to report that KIET has **312 faculty** members on its roll. There are 69 PhDs, 157 PGs and 81 faculty members pursuing their PhD from Institutes of repute. Since May 2015, five faculty members have been awarded their Ph.D degree.

Approximately 100+ technical papers have been published in journals and Conferences (National/International) by faculty in last one year.

KIET encourages faculty to participate in FDP /QIP programs organized by Institutes of repute. I am happy to report that in last one year 27 FDP /Training programmes for faculty & staff has been conducted and 35 Workshops/Seminars including **two ISTE Workshop** and one National Workshop have been organised.

Quality of faculty and their retention by providing opportunities for their growth is the key to have the right academic environment in a Higher Technical Institution. In this aspect, KIET is uniquely positioned in comparison to its peer institutions. It has institutionalized processes, policies and support for nurturing growth of faculty and staff. KIET provides special leaves, fee reimbursement to faculty members for pursuing higher education like Ph.D., sponsorship for attending conferences and seminars, financial rewards for publication of research papers to students and faculty.

## Faculty Recognition

Our faculty members continuously endeavor to **bring glory to KIET** and thereby they should be congratulated and thanked. *To list a few:*

- Dr. Neeraj Gupta , EEE - appointed as senior member IEEE, USA.
- Prof. Varun Gupta, EI - reviewed a book of Basic Electrical Engineering by T K Nagsarkar, M S Sukhija. ISBN No:- 978-0-19-806890-7
- Dr. J. Girish - appointed as Advisory Consultant to Engineering Design and Research Pvt. Ltd., Indirapuram, Ghaziabad.
- Dr. Anil Ahlawat - Chaired a session in 3<sup>rd</sup> International Conference in SRM University .
- Prof. Neelesh, EC -faculty mentor : award winning students project in Robocon 2015,MIT, Pune.
- Mr. Himanshu, EC - faculty mentor : award winning students project at Techkriti 2015 IIT-K.
- Mr. Daksh Bhatia, Mr. Anuj Pathak, Mr. Abhay Bhardwaj, Mr. Himanshu Aggarwal and Ms. Shikha Sharma, KSOP were the faculty mentors for the two award winning students projects at FABRICA held at IIT,BHU.
- Dr. Neeraj Gupta,EEE - appointed as Reviewer of International Conference, Frontiers in Education 2015, Camino Real Hotel & Conference Center EL Paso, Texas.
- Mr. Ravi Shankar, CS - elected for Managing Committee Member of CSI, Ghaziabad Chapter.
- Mr. Ankur Singh Bist, CS - appointed as Member of Technical Program Committee as reviewer in ICACCI 2015, IEEE conference at Kochi.
- Mr Varun Gupta, EI reviewed the “Digital Control System” Oxford University Press. ISBN No: 978-0-19-568620-3
- Dr. J. Girish - Conducted M.Tech Viva-Voce for two candidates of Applied Mechanics Dept., IIT, Delhi.



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- Mr. Ankur Singh Bist, CS - Appointed as Technical Committee Member of the ICOCL'15, School of Computing University Utara Malaysia.
- Dr. Neeraj Gupta, EEE - Appointed as Jury Coordination Committee Member of All IEEE Young Engineers' Humanitarian Challenge (AIYEHUM) project competition 2015, being organized by IEEE Region 10 (Asia-Pacific)
- Ms. Seema Maitrey, CS - Technical Paper Reviewer in NGCT2015 Dehradun (International Conference)
- Prof. Ashish Kots, CS - Member of Universal Association of Computer and Electronics Engineers and the Society of Digital Information and Wireless Communications.
- Ms. Poonam Rana, CS - Reviewer in technical program committee in IEEE conference named Computer Graphics Vision and Information Security at KIIT, Bhubaneswar.
- Prof. Ankur Singh Bist, CS - Reviewer in International Knowledge press indexed in ISI Thomson Reuters, Scopus.
- Prof. Ashish Thombre and Prof. Ameer Faisal, EN got seed money of **Rs. 5 lakhs** from TBI KIET for their venture SNF Power conversion solution.
- Prof. Arun Kumar got admitted in Ph.D in JMI, New Delhi under Visvesvaraya Scheme and will be receiving a grant of Rs. 2.5 Lakhs.
- Dr. Anil Ahlawat has been approved as a member of PSRG for virtual lab by Joint Secretary (TEL) and Mission Director (NMEICT), MHRD, Govt. of INDIA
- Mr. Ravindra Gautam delivered a guest lecture on "Behaviour of Structures" at KNGD Engineering College, Modinagar
- Mr. Sarvpriya Sharma delivered a guest lecture on "Future Prospects in Town Planning" at KNGD Engg. College, Modinagar
- Dr. K.L.A.Khan - Life membership of ISTE
- Mr. Vipul Vibhanshu, ME - Appointed as reviewer in ELSEVIER
- Prof. Ankur Singh Bist - Appointed as Reviewer in (AR4MET'2016) University Malaysia Perlis, UNIMAP together with Malaysia Technical Scientist Association (MALTESAS)
- Prof. Sarika Pal & Prof. Parvin Kaushik, EC received incentive of **Rs. 11,000/- each** (In-House) for publishing the research paper in reputed SCI indexed journal (Elsevier) with high impact factor.
- Prof. Mohd Faisal Jalil and Prof. Ankit Singhal - as *judge* in CROSS ROADS-15, Technical fest HI-Tech Institute of Engineering & Technology, Ghaziabad
- A Research scholar of APJAKTU has been registered under Dr. Akash Rajak, MCA for Ph.D.
- Mr. Vipul Vibhanshu faculty coordinator SAE EFFICYCLE 2015 and students team has represented the **efficycle at Delhi** during the **car free day** (22 Nov'15) and the cycle was **appreciated by Chief Minister and Secretariat members**. The video coverage of this event was live broadcasted by India TV and this information was also published in Hindustan (Hindi), Hindustan times (English) newspaper (23 Nov'15)
- Prof. Pravesh Singh, EC received incentive of **Rs. 11, 000/-** (In-House) for publishing the research paper in reputed SCI indexed journal (Elsevier) with high impact factor.
- Prof. Ruchita Gautam, EC has received incentive of **Rs. 22, 000/-** (In-House) for publishing the two research papers in reputed SCI indexed journal (Elsevier) with high impact factor.
- Ms. Sangeeta Arora, MCA - Lifetime Membership of CSI with Membership ID- I1503635
- Prof. Mohd Faisal Jalil, EEE got **Best Paper of the session Award** for "Feasibility Analysis of Solar Photo-voltaic Array Configurations under Partial Shading Conditions" at 12th IEEE Indicon 2015, JMI, New Delhi.
- Dr. Prateek Gupta and his project team (Ms. Deepa & Mr. Mrinal Verma) has successfully completed the project sponsored by Indian **Institute of Public Administration (IIPA)**, Ministry of Consumer Affairs, Government of India worth **Rs. 3,50,000**. A part of this project has been published in the form of a MONOGRAPH titled "TOYS AND SAFETY"



REGULATIONS” by Centre of Consumer studies, IIPA, New Delhi India ,that was released by Union Minister Shri Ram Vilas Paswan on 22nd December 2015 at Vigyan Bhawan, New Delhi.

- Prof. Padma Batra,ECE **filed a patent** "Bioelectrical Impedance Meter Design" with CBR No: 15210, application Number: 2169/DEL/2015
- Dr. Ashish Karnwal, Mr Ashish Kumar Singh, Mr. Vipul Vibhanshu (ME) were in organizing committee of International conference (ISFT 2016), 19-20 Jan 2016, 5th International symposium of Fusion of Science and Technology held at Delhi.
- Mr Nitesh Chauhan, KSOP - invited to speak on Regulatory Affairs 2016, International conference, scheduled on Sep 29- Oct 01 2016 at Miami, USA.
- Dr. K. Nagarajan,KSOP invited to speak on 8th Annual Pharma Middle East Congress, scheduled on Oct10-12, 2016 in Dubai UAE.
- Prof. Surendra K. Tripathi,EN invited as a Speaker of Session WE101: Vision of Wind Energy Toward 2026, The 6th Annual New Energy Forum (NEF-2016) scheduled during June 30-July 3,2016 in KINTEX, South Korea.
- Mr. Saurabh Sarkar got registered for "Global Initiative of Academics Networking" (MHRD Initiative in collaboration with IIT, Kharagpur). This network shares knowledge on teaching skills and methodologies.
- Ankur Singh Bist (CS) - appointed as Reviewer and MOEB in IJISSET.
- Dr. K. Nagarajan et al ; **filed an Indian patent** on the topic entitled " Design Synthesis & Amino Acid Composition of fullerene based peptidomimetics as anticancer agents, Application NO. 201611004953 on Feb 12, 2016.
- Prof. Ravindra Gautam,CE designated as a member of **Board of Studies** for Civil Engg. - **AKTU, Lucknow**
- Dr. K.R. Chaturvedi designated as one of the **member-RDC (Management)** -**AKTU, Lucknow**
- Prof. Manoj Badoni,CS has received **POSOCO Power System Award (PPSA)** which is an initiative to recognize and reward innovative technical research excellence in power system by discovering and encouraging fresh Doctoral/Masters research accomplishments in power system and related field. This project is a joint venture of Power System Operation Corporation (POSOCO), a subsidiary of Power Grid Corporation of India Ltd (POWERGRID) and Foundation for Innovation & Technology Transfer (FITT), IIT, Delhi.
- Prof. Rahat Khan ,EEE - appointed as a judge during AKTU Zonal level technical Manual Robot Competition named "Road Rash" held on 24 Feb 2016 at Hi-Tech Engineering College.
- Mr Chirag Arora,EI received incentive of **Rs 11000/-** (In-House) for publishing paper in Journal of Progress In Electromagnetic Research- PIER.
- Mr Varun Gupta, EI received honorarium for reviewing the book of Signals & System by Tarun Rawat.
- Dr. Vipin Kumar, AS appointed as Member of **Board of Studies** of Physics -**AKTU, Lucknow**.
- Mr. Virendra Sharma & Dr. Amit Gupta (MCA) delivered technical talk on "Cyber Security" at Meerut in SRIT Engineering College (20 Feb'16)
- Proposal for International Conference CIPECH-16 presented by Prof S.K Tripathi and Prof. Anmol Gupta, EEE - accepted for **technical sponsorship** by **UP section of IEEE**.

### New Initiatives – Department

Taking innovative initiative for improvement leads to overall growth of an organization. I am happy to share few *exemplary contributions* made by various departments during the year:

- EEE dept. formed a Student's Society (FAMGRID) for implementation of innovative ideas.



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- ECE dept. established Centre of Robotics and Mechatronics in dept.
- EEE students conducted Survey of Electrical power distribution System of the college.
- KSOP now in Dr Reddys Pharmaceutical panel for *campus hiring* programme.
- CS dept. started a new embedded system hobby club. This club aims at igniting student's interest in this field / implementing some good embedded system projects.
- EEE dept. formed *Electrical & Electronics innovation & research cell (ENRIC)* consisting of 20 students. Aim of ENRIC is to provide suitable platform to the students for research and innovation. ENRIC will help the students for publications, patents, project funding opportunity and product development.
- IT Department has started two new clubs (*Aptitude Club & English Club*) to promote the peer to peer learning.
- Website for sports fest launched on 1st October 2015.
- Technical Fest – Innotech website launched on 1st October 2015 with url [www.kietinnotech.com/](http://www.kietinnotech.com/) INNOTECH 2K15 **app launched. Sponsored by:** Worlds of Wonder/HINT Media Group/ HINT Radio FM 90.4/Yamaha/CETPA/ATS Infotech/ Retec Healthcare partners/ Lemford Biotech/ IEEE Student Chapter/ CSI Student Chapter. A total of **85000 INR** has been received in the form of gifts, vouchers and cash.
- MBA- started SAMA Club (Student Association for Management Activities) .The objective of this club is to encourage students towards their participation in extracurricular activities along with their regular academic activities. (16 Oct'15)
- CRPC- KIET HackerRank Club -FB Group has been created. The objective of this group is to create and ignite the awareness among student fraternity towards Coding, Participation in various challenges and to get a dream career. (27 Oct'15)
- Model Question paper and Solution has been prepared for all subjects running in the current semester in the new format proposed by AKTU and distributed to the students.
- Started on-line process for course outcome, program outcome as per NBA.
- EEE dept is planning to develop **Solar Power Plant** in following Phases. (i) 2 KW Solar Photo-voltaic Plant for R&D (i) EN Dept. (ii) KIET Campus.
- IT- Students' research committee is being formed to promote research activities in the department.
- KSOP - started Journal club for M.Pharm students to discuss the current topics in pharmacology, coordinated by Ms. Roma Ghai & Dr. Mandeep Arora.
- EI dept. - installed a Steam and Water Analysis System (SWAS) in Industrial Automation and Process Control lab - Sponsored by Steam Equipments Pvt. Ltd.
- CSE dept. - Humanoid and Copy Cat Robot prepared under embedded system hobby club - ready for participation in competitions.
- Mr. Naresh Chandra and Mr. Vipin Kumar ,MCA recorded a guest lecture on JavaScript DOM and Event Handling in Rajkiya Polytechnic Ghaziabad to be uploaded on their Virtual Web Server for IRDT, Kanpur

### Achievements by students

The students participate in many *extra & co-curricular activities* round the year and showcase their hidden talent which in turn nurtures their overall personality, leading to holistic development. *To list a few:*

### National level: Glimpses



- **Robocon 2015** (National Level Robotics Competition): A team of 29 ECE students have participated in ROBOCON-2015 with theme ROBOMINTON (Doubles - Badminton Playing Robots). The team has designed and fabricated two advanced level Robots in the Institute itself. It was held at MIT, Pune in association with Doordarshan (5-7 Mar'15). The team-leaders of the team are Swapnil Mishra, Diptanil Chaudhuri and Vikas Rai of ECE IIIrd year. Ranked 2nd (1st Runner - Up) all over india (Won Silver medal).  
**Achievements of Team Robocon:**
  - ✓ Received Rs. 50,000/- as appreciation prize for being Second (1st Runner-Up)
  - ✓ Every Team-Member has received Silver Medal.
  - ✓ Every Team-Member received MATLAB - 2015 license.
  - ✓ Got invitation for playing inauguration match for ROBOCON-2016.
  - ✓ ROHM Semiconductors invited the team for their seminar in THE ORCHID (5- Star Hotel) for a panel discussion on Robotics.
  - ✓ All the matches from Quarter final to final were telecasted on Doordarshan. Team was interviewed on Doordarshan.
- **TECHKRITI'15** (National Level All India Student Research Convention (AISRC'15): Apurva Agarwal & Sumit Verma ,EC won **1st Prize** of **Rs 35,000** in *Energy Category* at IIT, Kanpur (19-22 Mar'15).
- **FABRICA 2015** (National level annual technical event ) : KSOP students team bagged **1st prize** for developing 'Extruder cum Spheronizer' & **1<sup>st</sup> prize** for 'Automated TLC plate coater' under "Fabrica" (Event of Machine making) held at IIT-BHU on (21-22 Mar'15)
- **GATE 2015:** 180 students have qualified. Out of which 20 students have secured AIR ranks less than 1000 (CE-6/ EI-4/ EC-3/ CS-4/ KSOP-3) including 7 students who have secured ranks less than 500. Three students Ishu Swami (CS), Paras Agarwal (CE) & Prashant Rajoria (CE) have secured Air ranks less than 200 & rewarded with a **cash prize of Rs. 5000/- each**.
- **SUPRA SAEINDIA 2015** : Team INVINCIBLES of SAEKIET Collegiate Club has won **overall first prize** in the event held at MMRT Chennai from July 15-19, 2015. Also, won **first prize** in Marketing, Skid Pad, endurance & **second prize** in Autocross, Best Captain and **overall first**. Team won a total prize of **Rs. 3.10 lacs**.
- **E-Yantra** (National level) : 30 groups of ECE II year and III year students have participated in the competition organized by E-Yantra in association with IIT Mumbai (Oct'15). Out of which 4 teams of total 12 students have qualified to next stage to participate in eYRC+ 2015 (eLSI) Search and Rescue theme. In eYRC+, our 08 groups out of 12 students groups have been selected for final round at IIT, Bombay. (Dec'15)
- **ELECRAMA 2016:** Two students (EEE) received a grant of **Rs. 8000/-** for participation in ELECRAMA for **Smart Distribution Board**. (Dec'15)
- **GPAT-** Five students qualified National level GPAT exam, in which two students, Ms. Shrishti Prakash (AIR -11) and Ms. Ayushi Teharia (AIR-158) secured high rank within 200.
- **BAJA SAE 2016:** Team IMMORTALS participated in BAJA event (16-24 Feb'16),Indore. The team bagged in STATIC EVENTS: **Overall 2nd**, Design evaluation- **overall 3rd** , Sales Presentation- **overall 3<sup>rd</sup> position**. Placed in **top 10** in CAE Acceleration - bagged **7th position**. Two students got placed during recruitment drive at Indore in BAJA SAE India 2016. Rishabh Singh- Mahindra and Mahindra and Manu Kamboj - Endurance.
- **FABRICA 2016:** B.Pharm III year students won **1st prize** and **3rd prize** for scientific model making - FABRICA (Machine Making Event) : National level annual technical event -SPIRIT at IIT, BHU (27-28 Feb'16)
- **ELECRAMA 2016:** Siddharth Mohan Srivastava of 3rd year EIE & team participated in ELECRAMA, Feb 13- 17, 2016 at BIEC, Bengaluru. Team received a grant of **Rs 14,000/-**



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### Inter Collegiate Events:

- Aman Srivastava, IT received a **certificate for excellent work** as *Campus Ambassador* and another certificate for participating in Gwyst at Tryst 2015, Annual Science, Technology and Management Festival of IIT, Delhi. Saurav Gupta & Priyanka Prameshwari have received certificate for participating in Gwyst at Tryst 2015.
- Naman Mittal, AS got **first prize** in ROUTE D MOKSHA at Tech Trishna'15 held at AKGEC
- Ankit Singh Pundeer, Rishi Shahi and Shubham Rana - won **3<sup>rd</sup> prize** in COGNIZANCE - Tech Fest at IIT Roorkee (27-29 Mar'15), This team has presented a research paper titled "COMPRESSED AIR STRADDLING BUS" in IDEAS-A (Centre for Transportation Systems-CTrans)-ME
- Top-Coder competition at Hi-tech : Ravi Rai, Shivam Shukla, Shweta Singh, Gurpreet Oberoi, Priya Yadav won **3<sup>rd</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> positions** respectively in the event (27 Mar'15)-MCA
- Shweta Singh got **1<sup>st</sup> position** and Priya Yadav & Priyanka Mudgal won **consolation prizes** in Code-Guru competition organized by IME under e-kranti 2015 (30 Mar'15)-MCA
- 9<sup>th</sup> position** by Shweta Singh and Group in Code-Decode Competition-"INCEPTUM'15 at G.B Pant College" on 31 Mar'15 (MCA)
- Shivam Mishra won the **best player award** in Table Tennis in National Sports meet at GLA University.
- Mr. Sumit Verma, EEE & Mr. Apurva Agrawal, EC bagged **1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> positions** under three different events and **cash prizes worth Rs. 11000/-** at COGNIZANCE'15 organized by IIT Roorkee (27-29 Mar'15)
- Mr. Pratyush, Rishav Dixit, EEE and Mohd Emad, CS bagged **first prize** in annual cultural fest THOMSO'15 IIT Roorkee which has also been declared as the Youth Fest of Dehradun. Their team Videology's Short Film was the winning entry at this year's edition of **prestigious 16 Frames Film Festival**. "TEAM VIDEOLOGY" also bagged **3<sup>rd</sup> position** in '48 Hours Film Making Event' at IIT, Delhi's cultural fest "RENDEZVOUS-2015.
- Saurabh Sharma, EEE participated in Youth Vibe-Global Open Fest of LPU, Jalandhar won **II prize of INR 2000** in Sammachar.
- Shruti (2nd year) & Priyanka (3rd year) have attended Rendezvous event and **stood 3<sup>rd</sup>** in Video making Competition held at IIT Delhi.
- Team of Six Students (EC-II year) won **5<sup>th</sup> position** in the event "16 frames" fest Thomso held at IIT, Roorkee (9-11 Oct'15).
- Mr. Maynak Yadav, CSE got **3<sup>rd</sup> position** in Open Quiz-Vilakshan held at NIIT University.
- Mr. Mayank Yadav, CSE got **1<sup>st</sup> position** in Inter College Quiz Competition at Ideal Group of Institutions, Ghaziabad.
- Mr. Mayank Yadav, CSE bagged **1<sup>st</sup> position** in Techno General Quiz & Entertainment Quiz • and **2<sup>nd</sup> position** in Maha Quiz at Lovely Professional University, Punjab.
- CSE Departmental Videology Team got **1<sup>st</sup> position** in Thomso 2k15 at 16 frames film fest at IIT Roorkee.
- CSE Departmental Videology Team got **1<sup>st</sup> position** in Youthvibe-15 • in Adjineers-15 • advertise Film fest at Lovely Professional University, Punjab and won cash prize of **Rs. 7500/-**.
- 1<sup>st</sup> consolation prize of **Rs. 5100/-** by Abhay Deep Rana and team (Mayank Singhal-I yr/Shivam Pandey, Manvendra & Saurabh-II yr) of MCA in the inter college project competition held at Dronacharya Engineering College, Gurgaon (15-16 Oct'15).



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- MBA Students won **I/II/III positions/won prizes** in various categories in an Inter-College Management Competition at ABES (Oct'15) : Communication (I position) : Nikita Chaudhary and Shrishti Tyagi -I year / Marketing (II position) : Rachit Agarwal and Saurabh Singh-I year /General Management (I position): Sugandha Singh and Shalu Rani-II year/Business Environment (II position): Nikhil Mishra and Kanika Gupta - I year/I.T (III position): Aamir Ahmed and Tushar Tiwari-II year / Finance (III position): Rashmi & Vishaka Yadav-II yr.
- Mr. Ayush Kumar Pandey,ME -IIIrd year got **1st position** in Abhivyati (Rendezvous 2015) held at IIT Delhi (15 Oct'15)
- KIET students got **2<sup>nd</sup> position** in sports event VAJRA-2015 held at SRM University.
- 2 students (Quizzinga club) won **1st position** in National level quiz with cash prize of **Rs. 21,000/-** organized by LPU, Jalandhar
- Four students, KSOP won **1st position** in a technical event at Sunderdeep college of Pharma,Ghaziabad . Five students also won **2nd prize** in dancing.
- Riya Goel, IT -III yr. student got **2nd position** in Institute level essay writing competition held on National Voters Day (25 Jan'16)
- Yashasvi Nigam (MBA) bagged **first prize** in Solo Dance with **cash prize of Rs. 1100/-** in Annual Inter college Cultural Fest Nirvana 2016 of Vidya Knowledge Park, Meerut.
- 17 students of MBA I year have **qualified online Certification course in MS office** conducted by Microsoft (18 Jan'16)
- 3 students of B.Pharm-III year **won 2nd Prize** for quiz event at IIT, BHU, Literary event (Feb'16)
- 1 student of B.Pharm-III year **won 3rd prize** for debate event at IIT, BHU, literary event (Feb'16)
- 13 students of B.Pharm *entered semifinals* in inter college cricket competition at IIMT (Feb'16)
- Mr. Kaushal Pratap Singh, Mr. Akshay Bansal, Mr. Ritam Singhal and Mr. Ayush Srivastava (EC & IT students) secured **3rd position** and received prize of **Rs. 10,000/-** in case study competition TRYST- 16, the Annual science Technology and Management Festival organized by IIT Delhi.
- Lokesh Kumar Shukla, Mohd. Atif Khan and Yogesh Sarup (M.Pharm students) bagged **first prize** in "Health Care Quiz 2016" at Amity University.
- Gopal Narayanam, secured **1st position** and **cash prize of Rs. 7000/-** in event Business Quiz- Pleroma & General Quiz (CHRONOS 2016)- National Level Management Fest organized by Christ Institute of Management (27 Feb'16).
- Yashashvi Nigam,MBA-I yr bagged **attractive performer award** in **Solo Dancing** - Youth fest at Amity University, Noida campus.
- The football team - KIET, secured **II position** in **State level** tournament - AAMOD '16 held at Shri Ram Murti Smarak College of Engineering, Bareilly organized by AKTU, Lucknow.
- Abhaydeep Rana, MCA won **II prize** in Football match at SRMS, Bareilly (19-21 Feb, 2016)

### Alumni Achievements: Batch 2015 (Pass Out)- National level

Ms. Preetika Tondon got admission in M.Tech programme at IISc. Bangalore based on GATE Rank.	EC
Mr. Prashant Rajoria got selected for ME - IISC, Bangalore	CE
Mr. Paras Agarwal got selected for ME- IISC, Bangalore	CE
Mr.Umang Bhambri got admission in Master of Management Programme -IIT, Bombay.	CE
Mr. Abhishek Srivastava got selected in L&T BIS Programme, M.Tech - IIT, Madras	CE
Mr. Gajendra Singh, Manvendra , Sumit Verma & Aditya Arora got selected in IIMT as Asst. Professor.	CE
Mr. Naman Makkar got selected in MBA , SCMHRD Symbiosis, Pune	IT
Mr. Vipul Malik got selected in PGDSIM, NITIE, Bombay	IT
Mr. Anupam Kakkar got selected in MBA, SCMHRD Symbiosis, Pune	IT

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Mr. Sumit Jain (2014) has started startup company : Ovunque Innovations Pvt. Ltd.	IT
Mr. Tanay Tandon got selected in MBA, Delhi School of Economics	IT
Kanika Bathla got selected in M.Tech prg. IIT Roorkee	CS
18 Pharmacy students opted for higher studies. <i>To name a few:</i> Shivam Bathla-NIPER, Anju Ojha- NIPER, Amit Mishra- NIPER, Shivani Sharma- BITS etc.	KSOP
Priyank Kumar got selected in M.E (Thapar)	EI
Akash Saxena got selected in M.Tech prg. ,IIT -BHU	ME
Sagar Sachdeva got selected in M.Tech prg. NITIE,Mumbai	ME
Gaurav Chaudhary got selected in M.Tech prg. IP University	ME
Ashwani Arya & Anuj Jaiswal got selected in HPCL	ME
Love Jain got selected in MBA, IIM, Lucknow	EN

### Beyond Curriculum Skill Development Initiatives:

All departments are continuously putting their efforts to train students for making them employable. They have conducted Seminar cum Campus connect programs, Aptitude revision sessions, PDP (Soft Skills) Sessions, Mock GDs and Mock Interviews, in association with various agencies of repute like Career Launcher, ATS Infotech, Emersons Process Management, Sofcon, SEBI, ALTTC, Edunet and many others, to prepare them for placement drives.

Our endeavor to give best to our students stimulates us to go *beyond the curriculum* and **develop the skills** of our students by organizing **Tech Fest** and running **value added courses**. We teach students the theories and concepts with a culture of inquisitiveness and use multiple methods to impart the required knowledge and develop the skills and attitudes through lectures, simulations, industrial visits, case studies and **hobby clubs** - wherein students are encouraged to work on technical innovative projects. These are technical projects related to their discipline, with social relevance. Students are being encouraged to go for post graduate studies and appear for GATE. I am happy to report that 180 students have qualified GATE 2015 and out of it 7 ranks in first 500 (AIR)

#### *To list a few :*

- ✓ Some major students' projects under technical hobby club *in process* of EC dept. are: Advance level Robots by Robocon team, Piezo Tree- Revolutionizing the energy harvesting era, Automatic alcohol detector and regular training sessions for students in *E-Yantra* Lab.
- ✓ **12 projects** are running under EEE hobby clubs.
- ✓ **6+ projects** are running under Solar & Material Testing -Hobby Club (ME)
- ✓ IT Department has formed various **students clubs** wherein lots of skill enhancement activities are undertaken through these clubs viz. iOS Developers, MAD Club,Python Developers, C Coders, Sketching and Painting, Singing and Instrumentation, Declamation, Word Buzz and Quizzes, Animation & Photography " Yellow Journalism (Article Writing, Debate, Reporting etc.)", Online Activities on Moodle, Placement related activities etc. 6 Hobby clubs (C Coders, Python, Animation, MAD, iOS Developers, Computer Networking & Information Security) are running in IT Department.
- ✓ CS dept. formed various **technical and non-technical clubs** viz. **Technical Clubs:** C/c++/data structures, Java club, Oracle technologies Embedded system, Code war, Group discussion. **Non-Technical Clubs:** E-cell, Videology, Spanish language, Expression (poetry, singing, music) etc.



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- ✓ **10 hobby clubs** started in MCA viz. Mobile Application Development Club (MAD) / iOS Developers / Python Developers / C Coders / Singing & Instrumentation / Sketching & Painting / Animation and Photography / Oracle / Dot Net /Computer Networks(CCNA)/Linux.
- ✓ KSOP started a hobby Club – UCare (III & IV yr students).
- ✓ SAEKIET collegiate club has **fabricated a small formula type racing car** for SUPRA SAEINDIA 2015 competition
- ✓ EEE students are gaining experience by working on **Solar PV module training & Research kit.**
- ✓ KSOP students of 3rd and 4th year are engaged in various technical & research projects including method development of analysis of food items, formulation of herbals & cosmetics and many other research areas
- ✓ MBA dept. has set up **Finance Lab.** The objective of this lab set up is to help students by providing live terminals, live stock market for trading online and data interpretation for research purpose. That will enable all the student to make their career in capital market.
- ✓ KSOP organized Mega Event “**Aushadhi**” under umbrella of Innotech 2015. 60 students have participated.
- ✓ **105 students** have participated in two days **International Robotics Workshop and Competition** organized by EC dept. in association with **Technophilia Systems**, India and Robotics & Computer Applications Institute of USA. 15 students have represented the Institute at International Robotics Workshop at IIT, Bombay in Mar’15. **Students have learnt AVR microcontroller programming concepts, like digital I/O programming, implementation of RC-5 protocol & interfacing IR module to control robot wirelessly using a TV remote.**
- ✓ CE dept. organized **Bridge Design Contest** in association with ARK Techno Solutions, Mumbai. Students were trained on software, concepts of bridge design, fabrication and testing. Students fabricated their model and load testing was carried out. 72 students have participated.
- ✓ MBA dept. organized **Management fest** wherein representatives from six industries (GS Motors (TVS), Urnil Motors (TATA), Kab Automobiles (Suzuki), LIC of India, K World State Pvt. Ltd. etc.) have visited and showcased their products in our campus premises. The best part of this fest was - **the students were attached with these companies to get live exposure to sales technique.** (5-7 Aug’15)
- ✓ **Workforce development program** with **Oracle University**. 17 students in Oracle and 7 in Java ( Purchase of 24 E- Kit)
- ✓ FAMGRID (student’s society) of EN Department organized a two days **Space Technology Awareness Camp** (5-6 Sep’15). 120 students attended.
- ✓ EEE- **Certificate course** on "Electrical Installation Design and Maintenance” . 63 students attended.
- ✓ EI- Lab View classed included in **regular time table** for III yr. students.
- ✓ EC- NI /Robotics Lab training sessions are organized for students regularly.
- ✓ **KSOP- Medicinal Plant Exhibition** was organized for B.Pharma 1st & 2nd year students.
- ✓ Regular Aptitude practice session, mock tests & technical interview practice sessions etc.
- ✓ EI- FESTO Automation visited campus and displayed their **latest automation** related products in an Expotainer Van (28 Jul’15). The FESTO Expotainer is a fully self contained exhibition vehicle providing a display of the very latest equipment in the field of automation technology

utilizing pneumatics and electronics as well as incorporating the latest developments in didactic training aids.

- ✓ **Innotech 2015: Tech Fest** : KIET organises tech fest every year with an objective to explore & promote students hidden talent and act as a platform to showcase their creativity in the form of innovative models. In Tech fest this year (5-6 Nov'15), **3321 students** from different branches have participated in 19 events viz. Project competition, Poster presentations, Technical, Quiz, Robotic Events, Coding, Quiz etc. Major highlight of Innotech 2015 was **Project Exhibition** wherein **332 innovative project models** have been developed by our students. Out of 332 projects, **143 projects** were finally demonstrated by group of 520 students. Besides, 600+ students participated in Poster Presentation, Robotics & Quiz events. Live Interview of MCA students (Saurabh Singh Chauhan and Abhay Deep Rana MCA 2nd year ) for INNOTECH conducted by **FM Radio 90.4** (3 Nov'15).
- ✓ To encourage **learning beyond curriculum**, **10 Summer Schools & 9 Winter Schools** have been organized during Jun-Jul'15 & Dec'15 -Jan'16 for students with an objective to enhance technical competencies of students by identifying the skill gap. *To name a few: iOS Developer, Fundamentals of Research Methodology through SPSS. Dot Net, Advanced C & Data Structures, PLC & SCADA, English Communication, Android, Nodes JS, Embedded System & MATLAB, SQL Fundamentals with Oracle etc.* **400+ students** have benefitted.

### Student Projects - Reward & Recognition

- ECE Students projects titled STARK, KLEANBOT & TERAEEYE have won **III prize of Rs. 5000/-** among top 50 projects and got *certificate of appreciation* in National level Project Competition “Khoj Prayas” org. by Indian Association of Physics Teachers (IAPT) at VGU, Jaipur. (Apr'15)
- **ME - Certificate of appreciation** "ARANYA-The Eco Drive" as **Best innovative project** in ME at Jaipur – by Digital Learning (Mar'15)
- ECE student's project on “Wireless Speed Regulation in Vehicles” been selected for project competition ‘EYIC- 2015’ under the guidance of Mr. Amit Bohra organised by E-Yantra, sponsored by MHRD through the National Mission on Education Through ICT (NMEICT). The team along with faculty member participated in the competition at IIT, Mumbai on April 9-10, 2015.
- CE- Mr. Shiva Gupta, Mr. Rajat Ruhela, Mr. Vishal Sharma, Mr. Anmol Singh & Ashutosh khare **won 2<sup>nd</sup> prize** in Bridge Modeling Competition in CONSTRUCTO'15 held at Sharda University on 31<sup>st</sup> Mar-1<sup>st</sup> Apr'15
- Sumit K. Verma,EEE won **second prize** in project titled “Energy Production and drag reduction in automobile vehicles” in IDEAS- ELECTRICAL at IIT Roorkee.
- 19 projects by students of different dept. viz. MCA-8/ EC-4/ IT-3/ CS-2/EI-1/ME-1 have been developed and submitted to **Ghaziabad Development Authority (GDA)** for the competition (Mar'15). All these projects were shortlisted and finally demonstrated by students in the project competition titled **“Our Smart Ghaziabad”** org. by GDA (25 May'15) . Project of three ECE students- Mr. Vikas Rai, Ms. Akansha Rai and Mr. Ajay Kumar titled "Vehicular Adhoc- Networking System" has been finally demonstrated by GDA authority as a **pilot project at Yamuna Expressway**. Three projects by MCA/EI/ME students also got selected in the final presentation
- Vibhor Srivastava,EEE prepared *Portable Washing Machine* costing INR 400.



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- Divyank Shandelya,EEE prepared an innovative *project on Road side electricity generation*.
- Two of our Incubatee companies - Mr. Viswanath Singh C/o **M/s Vizortex R&D Pvt. Ltd.** & Mr. Saurabh Chaudhary C/o **M/s SRB Designs & Solution** and IMMORTALS (Passout of this college) invited by *PHD Chamber of Commerce and Industries, New Delhi* to exhibit their product i.e. Rongo Reaper (Manual Crop Cutting) M/c (Patented), & Mini Farm Tractor (Patented) in International Expo 2015 . Many innovators participated across the Globe (17-18 Sep'15) at New Delhi. Inaugural by Hon'ble Food & Civil Supply Minister, Govt. of India & DG of PHD Chambers of & Industries.
- Two teams from KSOP bagged **1st prize** in model making competition at the event Pharma minds held at ITS (Nov'16)
- Saurabh,Abhay,Rachit,Manvendra,Shivam -MCA II year students won **1<sup>st</sup> prize - Cash Prize of Rs 3000/-** in CROSSROADS 2015 project competition held in HiTech Institute of Engineering and Technology (3-4 Nov'15).
- Rajat Sharma and Prabhanshu Dixit ,EC have applied for a project "Opto Magnetic Power Generator" under guidance of Prof. Padma Batra for National Level Project competition ELECRAMA-2016, which has been shortlisted in the first round. (Dec'15)
- Five **project ideas of KIET students** have been approved by **DCMSME (through TBI-KIET)**. The details of two project ideas that got sanctioned are: (1) **Grant of 6.2 lakhs** to EEE final year student Rahvinder Singh for his Project "MACHUARA" • under guidance of Prof. Arvind Kumar Sharma through TBI-KIET (2) **Grant of 6.125 lakhs** to EEE final year student Atitosh Kumar Singh for his Project "Cata Anaerobic Biogas plant"under guidance of Prof. Ameer Faisal (Dec'15).
- Project idea "Vyurja" on wind energy conversion system sent by team of students lead by Sumit Kumar Verma, EEE IV year under guidance of Prof. Arvind K. Sharma, selected (**top 10 list**) for demonstration in "**Make in India**" event "HACKATHON" at IIT, Mumbai. (Jan'16)
- Mr. Satyam Sahu, Mr. Anurag Tomar & Mr. Anuj Singh of Civil won **1st prize** in Hackathon 2016 under transportation theme under MAKE IN INDIA WEEK conducted by IIT, Bombay (Feb'16).
- Pratyush Kumar & Prateek Johri ,EEE -III year improvised SMART PLUG- shortlisted for grant list at ELECRAMA 16 Bangalore. (Jan'16)
- Four projects on different topics have been submitted by ECE students in National level competition EYIC-2016 organised by E-Yantra in association with IIT Mumbai for engineering students. (Jan'16)
- Ashish Mishra, Muskan Gaur, Aparna Pandey have received **best project award** and **cash prize of Rs. 2500/-** for Project titled "Blood Indeed" in SPEED-2016 at G.D Goenka University, Gurgaon on Feb 19, 2016.
- A project "un-printing" prepared by Sumit Kumar Verma, EEE final yr & Apurv Agrawal ,EC III year has been selected for presentation during tech fest at IIT Kanpur (3-6 Mar'16). The project was guided by Prof. Arvind Kumar Sharma (EEE) and Prof. D. K Sharma (AS).

### Student Research Publications

- Seven Research papers by 12 students, EC II yr. under the guidance of Prof. Himanshu Sharma have been published in 1<sup>st</sup> National Conference on Broadband and Optical Fiber Technologies, organized by ABES (13-14 Mar'15):
  - "Green Un-Printing " by Apoorva Agarwal and Sumit K. Verma
  - "Hospital Management using Line follower Robot" by Renukeshwar Singh, Manya Srivastava, Simran Gupta and Noopur Gupta
  - "PC to PC Communication using IEEE 802.15.4/ vZigBee RF Modules " by Priyank Tyagi and Rishi Vij
  - " Energy Generation using speed breakers" by Astha Dwivedi, Avichal & Vishwas Jain
  - "VLSI design of flow power & high speed full adder" by Sweety Bajpai & Garima Mishra
  - "Google Glass future of Smart Phones" by Anant Tyagi, Aushi Varshney & Anupam Pandey
  - "Home Security System using Smart Sensors" by Abhishek Aggarwal & Anshul Mittal

- Rahvindra Singh, EN, “ Application of Accelerometer as a vibration detector” in International Journal of Emerging Trends in Science and Technology, IJETST- Vol.02, Issue, 03, Pages-2084 2092, March, ISSN 2348-9480
- Khushbu Gupta, MCA, “A novel approach for cluster head selection in WSN” in IJCA – March Issue.
- Mayuri Mishra, M.Pharm presented a research paper in IHPA HEALTHCON 51<sup>st</sup> Annual Conference org. by Indian Hospital Pharmacists Association at Maharishi Markandeshwar University, Ambala (13-14 Mar’15)
- Surya Prakash & Mayank Agarwal, ECE (2015) titled “Signal smelling via e-sensing” published in the proceedings of International Conference on Recent Advance in Computing, Communication and Electrical Technology held on April 11-12, 2015 at HRIT Ghaziabad, pp. 39.
- Balendu Bhushan Pandey, Mohd. Maroof Siddiqui, Syed Hasan Saeed & Saif Ahmad, ECE (2015) titled “Amba Advance High Performance BUS-DMA Interfacing” published in the proceedings of International Conference on Recent Advance in Computing, Communication and Electrical Technology held on April 11-12, 2015 at HRIT Ghaziabad, pp. 39
- Paras Sharma and Ravi Rai, MCA (under the guidance of Prof. Arun Tripathi) won **best paper “IEEE student branch” award** in “National Conference on Recent Advances In Embedded Technologies”. Paper titled “Currency Authentication using the Wireless Sensor Network”. The event was held on April 11-12 2015 at Jagannath International Management School, Vasant Kunj, New Delhi.
- Shweta Singh, Priyanka Mudgal, Priyadarshini Chaudhary, MCA and Prof. Arun Tripathi, Comparative Analysis of Packet loss in LAN, NCRAET 2015, April 11-12, 2015.
- Ayushee Singh, Sugam Dixit, Ashish Agarwal, Paras Sharma, MCA delivered talk on Wireless LAN: Security issues and Solution, Dristi 2015, AKGEC, 3-4 April’15.
- Shweta Singh, Priyanka Mudgal, Priyadarshini Chaudhary, MCA delivered talk on Security Protocols in MIPv6, Dristi 2015, AKGEC, 3-4 April’15.
- Paramjeet Singh Kaler, Sheetal Singh, Shubhangi Singh, Surendra Kumar Tripathi -EEE: “RFID BASED AUTOMATIC CHALAN SYSTEM”, IJISSET - International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 5, May 2015, pp-39-44.
- Ankit Sood, Babalu Sonkar, Atul Ranjan, Ameer Faisal- EEE: “Microcontroller Based LPG Gas Leakage Detector Using GSM Module” International Journal of Electrical and Electronics Research Vol. 3, Issue 2, Month: April - June 2015, pp: 264-269.
- M. Shariz Ansari, Rishabh Saxena, Saurabh Singh, Tanmay Srivastava- EEE: “GSM based street light automation” International Journal of advanced research in Electrical, Electronics and Instrumentation Engineering, Volume 4, Issue 5, May 2015, pp:4415-4418.
- M. Shariz Ansari, Shivank Bhatnagar, Kishan Kumar, Kaavya Sah- EEE: “Identification of Phase Sequence of 3 Phase AC Source” International Journal of advanced research in Electrical Electronics and Instrumentation Engg, Vol. 4, Issue 5, May 2015, pp:4571-4576.
- Ravi Gupta, Mazhar, Dileep Kumar, Shaurya Varendra Tyagi-EEE: “Lab View based Speed Control of DC Motor Using PID Controller” International Journal of Electrical and Electronics Research Vol. 3, Issue 2, Month: April - June 2015, pp: 564-569.
- Shweta Singh, Priyanka Mudgal, Priyadarshani, MCA, Comparative Analysis of Packet Loss in Extended Wired LAN Environment, International Journal of Computer Application, 12-16, May’15
- Shweta Singh, Prof. Arun Tripathi, MCA published paper on Performance analysis for channel utilization in WLAN” in IJCA Journal, Vol. 122, No. 20, July 2015.
- Umakant Dhar Dwivedi, Alok Kumar Pandey, Saurabh Mani Tripathi, Abhiruchi Srivastava, EN: "Adaptive Filter Based Islanding Detection of Grid Connected PV Systems" presented research paper in a National Conference (NPESC Jul’15), KNIT, Sultanpur.
- Shikhar Agarwal, M.Tech CS Student, Sanjeev Kumar Yadav, Co-Author “Crime Detection And Prevention Using Social Network Analysis”



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- Gopal Narayanam, IT published a paper titled "Comparison of Optimization Strategies for Numerical Optimization" • in CSI-2015 conference by CSI, Delhi during 2-5 Dec, 2015.
- Shubham Raj, Ashish Kr. Singh, Tuhin Srivastava, Vipul Vibhanshu, ME: published paper "Analysis of Air Intake for Formula SAE vehicle" at NASC, Delhi.
- Tanya Sinha, Vipul Vibhanshu, ME published a paper "Energy analysis of coal fired Thermal Power Plant" at NASC, Delhi.
- Sonali Sriastava, IT presented a research paper titled "Big Data-An Emerging and Innovative Technology: Survey" • in IEEE CICT-2016 at ABESEC, Ghaziabad on Feb 12-13, 2016.

### PLACEMENT

**Industry Connect** is one of the core activities of **KIET Group of Institutions**. KIET has developed a distinctive multi-level mechanism of its own to promote a unifying interface with industry. **Corporate Relations and Placement Center** is equipped to create a pool of skilled man power guiding the students to reach their goals with perfection. CRPC has taken various initiatives to ensure the maximum campus placements. *Few initiatives to mention are:*

- **Central Training Centre:** The department was conceptualized with a view to enhance the employability of students so that they are able to adjust better to the corporate atmosphere.
- **Skill Enhancement Program (SEP):** With the aim to decode employability skills, we are connecting dots in a line to work towards creating a better future together. CRPC in association with Training Centre has taken an initiative to impart Skill Enhancement Program (SEP) to all pre final year students. The objective of this program is not only to equip the students with necessary skills needed by the industry but, also to make them better human beings; a contributing factor to the growth of the society and the Nation.
- **E-Boosters:** A fleet of self- motivated group of final year students who are in constant touch with alumni have taken initiative to further impetus the seed of success in the life of their juniors by taking regular activity based sessions after college hours to enhance their exposure towards industry, recruitment process and are helping in building up the confidence and awareness for their better future.
- **Igniters:** A group of 57 Pre Final Year students have been identified after rigorous assessment. These Igniters will closely work with “E-Boosters” to implement various activities under “Skill Enhancement Program”.
- **Special Event:**  
**BARC Pre-Placement Talk:** KIET Group of Institutions has been chosen among few selected engineering colleges across North India by **Bhabha Atomic Research Centre** (BARC) for conducting the Pre Placement Talk for 2016 passing out batch for B. Tech (Mechanical, Civil, Electrical, Electronics, Computer Sc ,IT and EI) for Orientation Course for Engineering Graduates (OCES). OCES is the flagship program of the BARC Training Schools for Engineering Graduates.
- **Dr. APJ Abdul Kalam Knowledge Corner:** It is equipped with some guiding books co-authored by and on the life of Dr. Kalam that throws some light on the different aspects of gaining success in life. The objective of Dr. APJ Abdul Kalam Knowledge Corner is to provide opportunity for KIETians to develop their talent, to learn, to study the life of Dr. Kalam.
- **Industry Federation:** Membership of CII, Events of ASSOCHAM & FICCI.

## Recruitment Statistics:

**2015 Batch → 175 Companies → 800+ Offers → Highest Package Rs. 16.11 Lacs/Annum**

**2016 Batch → 180 Companies → 753 Offers → Highest Package Rs. 8.10 Lacs/Annum (\* under process)**

KIET has consistently achieved a good placement record with blue chip companies. Batch 2015 had **67.70%** placement. Regular recruiters of the institute includes like **Samsung, TCS, Dell, Indian Navy, Indian Army, Honda, Tech Mahindra, Wipro, CSC, Cummins, HCL, Hitachi, Fiserv** and many others.

## Industry-Academia Connect

Other important aspect of creating a learning environment is inviting experts from industry and academia on regular basis to facilitate large scale interaction and exchange of ideas/ knowledge.

**Connecting academia to the Industry** gives real experience to the students while studying. In this direction KIET has made significant efforts.

**Formation of Institute Industry Interaction Cell (IIIC):** To promote interaction between Institute and various industries. Every department targeted at least one industrial visit for each section in the current even semester and also planned around 4-6 guest lecture from various Industries, so that students get an idea of current trends in industries in their respective fields. IIIC's aim is also to send some motivated students to nearby industries where they can work during summer break.

**Some of the major highlights of the cell are as given below:**

- ✓ Arranged **42 Guest speakers** from leading Industrial Houses and **24 batches** of students has gone for different Industrial visits as a part of activities IIIC.
- ✓ Started Consultancy for **North street Cooling towers Ltd.** for development of **Mould using Delcam Software and Vertical Machining Centre.**
- ✓ Got **four** different projects from **Perfect Generator Technologies (P) Ltd.,** in which around **74 students and 6 faculty members** are involved at different levels.
- ✓ **Four Third year** Mechanical Engineering Students got an offer to work with Industry people on **Vibration analysis on Pumps at SPX Clyde Union Pumps, Ghaziabad.**
- ✓ Aim is to send more than 100 students for Internship in nearby Industries where they can work on live projects.

## Centre of Excellence

- Collaboration with **Oracle University** for training in Oracle & JAVA
- MoU with **Technophilia Systems Pvt. Ltd.,** to establish *Centre of Excellence in Robotics & Mechatronics* in the department.
- MoU with **Wellindia Securities Pvt. Ltd**
- MoU with **University of California, Riverside Extension**
- Delegates from **Czech Technical University, Prague** visited campus (3 Feb'16)  
Aim: Understanding and exchange of academic pedagogy



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## Consultancy Projects

In the institute's venture of tying up with industries, some of its meticulous faculty members have received the opportunity to provide consultancy to industries. To mention a few projects undertaken by our faculty members are:

- **M/s KALCO** for Development of analytical model integrated with software for designing Aluminum Window frame work subjected to different wind pressures. (CE)
- **Amrapali Construction Company** for Concrete Mix Design Consultancy (CE)
- **Purchase Solution software** installation at **KEC, Mohan Nagar** by Mr. Shashank Bhardwaj (MCA)
- Prof. Ravi Gupta successfully completed consultancy project titled Solid state "Speed controller for induction motor drive" with **Premier Trading Corporation Meerut**. (EEE)
- Prof. Ashish Thombre received a project "ENERGY AUDIT" of **UNIWORD TELECOM Ltd.** (EEE)
- IT Department has initiated the process to get some projects on **iOS platform**.
- Two Consultancy projects received by **Perfect Powering Generations** (Ancillary of Mahindra and Mahindra Gensets). (1) Design of workstation for Alternator coupling with Engine (2) Effective cooling of DG set by changing Canopy Design. Dr. Ashish Karnwal & team (ME)
- Consultancy project of ENERGY AUDIT by **Perfect Powering Generations** (Ancillary of Mahindra and Mahindra Gensets) is under progress by team of students lead by Prof. Ravi Gupta. (EEE)
- Consultancy project of ENERGY AUDIT by **Uniword Telecom Ltd.** is under progress by team of students lead by Prof. Ashish Thombre (EEE)
- Prof. Ravi Gupta is working on consultancy project of **Design of distribution panel** by **Perfect Powering Generations** (Ancillary of Mahindra and Mahindra Gensets)- EEE

## Grants Received

- Grant of **Rs. 2,80,000/-** sanctioned by **IITB** on account of setting up of **A-View lab** - MCA (Sep'15)
- Sanction of \$ **428** for research proposal entitled "Early detection of microbes through e-Nose" by **IEEE Bangalore Section**, project ID: A078. Project submitted by: Prof. Ameer Faisal and Harshit Singhal, B. Tech IV year student - EN (Sep'15)
- Grant of **Rs. 20,000/-** from **NITTTR, Chandigarh** for organizing two weeks **Short Term Course** - IT (Dec'15)

## Industry Visits

To co-relate the theoretical concepts of the subjects learnt in the classroom with the Industry and give practical orientation to the subject, the institute endeavors to take its students for industry visits time and again. To list a few industries visited by our students:

<b>Ganga Jal Water Treatment Plant, Ghaziabad</b> for III yr. students. 61 students visited.	18 Mar'15	CE
<b>Landcraft, Golf link Project, NH-24 Ghaziabad</b> for III yr. students. 63 students visited.	19 Mar'15	CE

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<b>Multistoried Building Site</b> Near to ITI, Muradnagar. 16 students visited.	26 Mar'15	CE
<b>Central Electronics Ltd., Sahibabad</b> for project related assignment. 4 students of EEE III yr. visited.	24 Mar'15	EEE
<b>Site Visit to Head Regulator of a Distributory Channel on Ganga Canal</b> near Muradnagar organized for final yr. students. 18 students visited.	25 Mar'15	CE
<b>Madusudan Ghee, Bulandshahar</b> for I yr. MBA students. 31 students visited.	Mar'15	MBA
<b>Bisleri, Ghaziabad</b> organized for MBA students. 60 students visited the plant.	14 & 17 Apr'15	MBA
<b>TEVA API Pvt. Ltd.</b> organized for I yr. M.Pharma students. 18 students visited the plant.	1 May'15	KSOP
Shriram Pistons, Ghaziabad organized for III yr. 50 students visited the plant. Visit coordinated by MBA dept.	2 May'15	ME
<b>Mother Dairy</b> organized for II & III yr. EI students. 72 students visited the plant.	27 May'15	EI
<b>Locoshed, Ghaziabad</b> organized for M.Tech students. 7 students and 5 faculty visited .	Jun'15	EEE
<b>ASUS (Computer Hardware Co.)</b> organized for II year . 50 students visited.	6 Aug'15	MCA
<b>Mother Dairy, New Delhi</b> organized for II year . 55 students visited.	18 Aug'15	MBA
<b>Good Luck Engg. Co., G.B Nagar</b> organized for III year. 45 students visited.	21 Aug'15	ME
<b>NIPER, Mohali (Pharmacy college)</b> organized for M.Pharma students.	21 Aug'15	KSOP
<b>Construction Site of Tower B in Land Craft Developers, Ghaziabad</b> organized for of III year CE students. 57 students visited.	27 Aug'15	CE
<b>Festo Controls Pvt. Ltd., Noida</b> (The company deals in automation of food processing equipment). 26 students and two faculty members Mr. Chirag and Mr. Piyush Ojha visited.	Sep'15	EI
<b>Construction Site of Tower B - Land Craft Developers, Ghaziabad</b> organized for III year students.	3 Sep'15	CE
<b>Clyde Union Pumps, Ghaziabad</b> organized for II year students (Sec-A-B-C)	24, 28-29 Sep'15	ME
Industrial visit of MBA-2nd Year (30 students) to <b>Hindustan Coca Cola, Ghaziabad</b>	2 Sep'15	MBA
Industrial visit of MBA-2nd Year (Finance Specialization) to <b>National Stock Exchange, New Delhi</b>	4 Sep'15	MBA
Industrial visit of MBA-1st Year (Sec B) to <b>Yakult India Pvt. Ltd, Sonipat .</b>	8 Sep'15	MBA
Visit to <b>Escorts, Gurgaon</b> organised for III year , ME section C students. 45 students attended	6 Oct'15	ME
Visit to <b>Sai Electricals and Computers, Meerut</b> for for ECE III-B students. 35 students visited.	7 Oct'15	ECE
Visit to <b>ALTTC, BSNL ,Ghaziabad</b> organized for III & II year . Total 221 students visited the site.	17/31 Oct'15	EEE
Visit to <b>Advance Level Telecomm Training Center (ALTTC), Ghaziabad</b>	31 Oct'15	ECE
Visit to <b>Kusum healthcare, Bhiwadi</b> for B.Pharm final year (Sec-A) students.	19 Nov'15	KSOP
Mr. S.K. Garg with five students visited <b>Okhla Barage</b>	6 Dec'15	CE



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Visit to <b>Uniword Telecom Ltd. , Noida</b> . 30 students and four faculty members visited.	23 Jan'16	EEE
<b>Sheela Foams, G. Noida</b> for MBA I year	2 Feb'16	MBA
<b>Yakult, Sonapat</b> for MBA I year	3 Feb'16	MBA
<b>Mother Dairy</b> for MBA I year	4 Feb'16	MBA
Field visit of MBA IV semester (Marketing specialization) at <b>Max Hyper Market Pvt. Ltd RDC, Ghaziabad</b>	5 Feb'16	MBA
Industrial Visit to <b>400 kV substation, Muradnagar</b> for III year, Sec B & C. 73 Students alongwith seven faculty members visited.	19 Feb'16	EEE
Industrial Visit - <b>Paver Manufacturing Unit, Brick Manufacturing Unit</b> for II year & III year students (Sec-A) & <b>Survey Camp</b> for (III year, Sec -B)	26 Feb'16	CE
Industrial Visit of 3rd year, Sec B students at <b>Paver Manufacturing Unit, Brick Manufacturing Unit &amp; Survey Camp</b> of 3rd year, Sec A	27 Feb'16	CE
Visit to <b>ALTTC, Ghaziabad</b> for III year students.	27 Feb'16	IT
Industrial Visit of <b>Uniword Telecom Ltd., Noida</b> for II year, Sec-B. 30 students alongwith four faculty members visited.	27 Feb'16	EEE
Visit to <b>Indian Pharmacopoeial Commission , Ghaziabad</b> . 24 M.Pharm students visited	29 Feb'16	KSOP

**Invited Expert Talks:** Eminent speakers from *Industry & Academia* are regularly invited to keep the students abreast of *latest developments & technology*. Also, regular training sessions by experts are being organized. Approximately, **50+ Invited/Expert talks** from *Industry & Academia* have been organized.

Dr. Bibhu Prasad Panda, a <b>nationally renowned expert</b> on “r- INA Technology”	13 Mar'15	KSOP
Mr. Sarvesh Agrawal, <b>CEO and Founder, Internshala</b>	14-15 Mar'15 (E-Summit) Endeavour 2015	<i>E - Cell</i> (CS)
Mr. Deepak Goel, <b>Founder, iMET Global</b>		
Mr. Anuj Saxena, <b>Founder Director, Bcube IT Services Pvt. Ltd.</b>		
Mr. Raj Nidhi Sharma, <b>CEO, KM Group</b>		
Mr. Neeraj Singhal <b>Secretary, IIA</b>		
Mr. Rajneesh Jhamb, <b>Lead Program Manager, Amdocs</b> (global leader in telecom) Topic: “Key Elements in Defining a Global Strategy”	3 Apr'15	MBA
Mr. Rajeev Kumar Mathur, <b>VP- HR, Good Luck Steel Tubes Ltd., Ghaziabad</b> Topic: “Success factors in today's competitive environment”	13 Apr'15	MBA
Dr. Naresh Sharma, <b>Addl. Drug Controller &amp; VP-IPA</b> . Topic: “Stability Studies and Current Industry Scenario” <b>100 students attended</b>	Apr'15	KSOP
Dr. Veerendra KN, <b>Research Associate</b> , formulation Development, <b>Unichem Lab, Goa</b> Topic: ‘ <i>Technology Transfer</i> ’	8 May'15	KSOP
Mr. Abhishek from <b>Festo Controls Pvt. Ltd., Noida</b> Topic: "Smart Grid"	29 Jun'15	EEE
Engineers from <b>VI Micro Systems Pvt. Ltd, Chennai</b>	30 Jun'15	EEE
<b>Experts from ORACLE</b> Topic: “Oracle Certification” for final yr. students (CS/IT/EC/ME/EN/EI/MCA)	3 Aug'15	MCA
<b>Mr. Sandeep Karan, CAC Noida</b> on “Advanced OOPS” and “.Net”	4 Aug'15	MCA

## KIET Group of Institutions

<b>Mr. Sandeep Jaiswal, Assistant Section Officer at Ministry of Defense Govt. of India, Delhi and Mr. Vinay Kumar Singh, Sub Inspector, U.P. Police (MBA Alumni)</b> interacted with the final year students and highlighted the <i>need of conceptual knowledge in corporate world</i>	17 Aug'15	MBA
<b>Mr. Gurkhivi, Detrion,</b> on "Big Data"	18 Aug'15	MCA
<b>Mr. Jai Singh, Director , Career Launcher , Ghaziabad</b> on "Career Prospects"	20 Aug'15	IT
<b>Mr. R. N. Mukherjee, Head Mechanical Engineering &amp; Design , Enesco Technologies India Pvt. Ltd., Gurgaon</b> on "Design of Conveyor"	21 Aug'15	ME
Interaction of B.Tech 3 <sup>rd</sup> year students on "Hadoop" by <b>Honey Chopra and experts from Datreon</b>	Aug'15	CS
The following <b>10 Industry Professionals</b> -Technical experts have visited the campus and interacted <i>with final year IT students - Mock Interview Session :</i> <ol style="list-style-type: none"> <li>1. Mr. Arjun Krishna Shukla from <b>Nvision</b></li> <li>2. Mr. Ankit Shukla from <b>Impetus</b></li> <li>3. Mr. Satendra Nath Shukla from <b>Samsung</b></li> <li>4. Mr. Sarim Hussain from <b>HCL</b></li> <li>5. Mr. Rahul Srivastava from <b>Samsung</b></li> <li>6. Mr. Anand Kesharwani from <b>TCS</b></li> <li>7. Mr. Abhishek Pratap Singh from <b>Oracle</b></li> <li>8. Mr. Om Prakash Singh from <b>Bank of America</b></li> <li>9. Mr. Abhay Sachan from <b>United Health Group</b></li> <li>10. Mr. Atul Gupta from <b>Dell International</b></li> </ol>	22 Aug'15	IT
<b>Mr. Kuldeep Tyagi, DGM , Cyient - Noida,</b> delivered a talk on "Strategy of Cracking Interview" to EN final year students.	Aug'15	EEE
<b>Mr. Pankaj Sharma, Technical Sales Engineer, Schlumberger, Pittsburgh, Pennsylvania, USA</b> on "Career opportunities in Oil & Refinery Industries" for B.Tech 5th & 7th Sem students	26 Aug'15	ME
Mr. Anup Shukla from <i>Steam Equipments</i> on "Water Treatment in Power Plants". 84 Students and dept. faculty attended.	Sep'15	EI
Sh. Seeraj Katoch Founder & CEO- <b>Soinsi Digital , New Delhi</b> on "The Start –up Eco System on Entrepreneurship Development "	2 Sep'15	MBA
Mr. Gaurav Mehta, <b>LeLogix Design Solutions Pvt Ltd.</b> on "Scope of Design and Project Management"	4 Sep'15	ME
Er. Ambesh Sharma , <b>Lohia Corp. Ltd., Kanpur</b> on "Industrial drawings & design"	7 Sep'15	ME
Mr. Priyank Rastogi, Area Sales Manager at <b>Quickr, Noida (Alumni- MBA)</b> on " Need of PDP classes for cracking any interview" organized for final year students.	10 Sep'15	MBA
Mr. Vardan from <b>Octaplan.com</b> on "Big Data and Implementing Technologies a Hands on Approach" for students and faculty members.	Sep'15	CSE
Dr. S.K. Singh, <b>Engg. Design &amp; Research Pvt. Ltd., Delhi</b> on "Design Process flow & management" for 3rd Year Students.	22 Sep'15	CE
<b>Mr. Pramod Mishra, Head, HR, Simplex Infrastructure Limited</b> for 4th year students.	28 Sep'15	CE
Expert lecture on "Design and Implementation of Digital Systems" using xiling schematic entry (industry relevant technologies) in association with <b>Pine Training Academy, Ghaziabad.</b>	Sep'15	ECE
<b>Ms. Elissar Kurban , Assoc. Director, IEP University of California, USA</b> visited KIET campus. Discussion on various opportunities & possibilities of Academic	25 Sep'15	KIET



## KIET Group of Institutions

collaboration/Student interaction held. Faculty Coordinator : Mr. Nitesh Chauhan, KSOP		
Mr. Pramod Mishra, Asst. General Manager, HRD in <i>Simplex Infrastructure</i> on "Modern HR Practices"	28 Sep'15	MBA
<b>Dr. B.P. Sharma from Impeccable</b> on "Ajax , JQuery & PHP". <b>120 Students</b> -MCA II year/ III year attended the session	1 Oct'15	MCA
<b>Mr. Ashok Kumar Jai, Principal Advisor, National Accreditation Board for Education &amp; Training, Quality Council of India</b> on "Management effectiveness through balanced Score Card"	12 Oct'15	MBA
<b>Dr. V.K.Gupta, Professor -IIM Indore</b> on "Stake Holders Value Management "	19 Oct'15	MBA
<b>Experts from NI Academy, Ghaziabad .</b> Invited talk on "Design and Implementation of Digital Systems" using xiling schematic entry (industry relevant technologies).	Oct'15	ECE
<b>Mr. Pradeep Chandra Pant, Director, New and Renewable energy Resources, Government of India, New Delhi</b> on "HRD, Innovative projects on Energy Storage" Participants: 26 Nos.	31 Oct'15	EEE
Mr. Pankish, Managing Director, <b>TPCL (Technical Projects Consultant Pvt. Ltd)</b> delivered a session on "STRUCTURAL ENGINEERING AS A CAREER"	5 Dec'15	CIVIL
Mr. Shantanu Ghosh, <b>Project Head, Kamtron System</b> on " <b>Microsoft Cloud Campus</b> " •	14 Dec'15	IT
<b>Dr. Rajesh Shukla, Assistant Director, National Power Training Institute (NR) Badarpur, New Delhi</b> on "Modern approaches for operation & maintenance of transformer at power plant" . <b>73 students</b> from III/II yr. attended.	25 Jan'16	EEE
<b>Mr. Himanshu Shekhar, Executive Engineer, L &amp; T Power</b> on "Recent trends in Industry & Career Opportunity for Instrumentation Engineers". 65 students and all faculty members attended.	29 Jan'16	EI
<b>Mr. Aamir Qutub, Founder- Enterprise Monkey, Australia</b> Guest Lecture on "Career Opportunities as Entrepreneur-e Business consulting, Technology & Marketing Solutions".	3 Feb'16	ECE
<b>Ms. Fawzia Tarannum from TERI University</b> - Shared valuable information related to "Research funding" org. for III/IV yr students.	10 Feb'16	CE
<b>Mr. Pankish, Managing Director, TPCL</b> delivered a session on "STRUCTURAL ENGINEERING AS A CAREER"	13 Feb'16	CE
<b>Mr. Aditya Sharma, Exe. Director -MRC,</b> delivered a session on "STRUCTURAL ENGINEERING AS A CAREER"	20 Feb'16	CE
Guest talk on "SPC and Six Sigma" by <b>Mr. Virendra Kumar Gupta, Director, Disha Management Consultant</b> for MBA Ist year students.	22 Feb'16	MBA
<b>Dr. Brijesh Kumar Garg, Research Scientist at Flatley Discovery lab, Boston, MA, USA</b> delivered lecture on "Cancer Research and Job Opportunities in USA" for B.Pharm (III/IV yr) & M.Pharm students .	23 Feb'16	KSOP
<b>Mr. Sachin Sharma, Senior Manager, Huawei Technologies</b> on "Technical Evolution from 2G(GSM) to 4G(LTE)"	24 Feb'16	ECE
<b>Mr. Ashok Kumar Garg from EIL</b> on "Project Management" for 3rd & 4th year	25 Feb'16	CIVIL
<b>Mr. Sandeep Karan-CAC Noida</b> on "OOPS" for MCA IV sem. students.	Feb'16	MCA

# KIET Group of Institutions

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## TBI-KIET

I am happy to report that, since inception, **39** Incubatee companies have established their venture in KIET- TBI. Presently **19 nos.** are operational and 20 have graduated successfully. These incubatee companies initially placed 38 student of KIET as interns, and 34 as full time employee. Out of 39 Incubatee 30 incubatees are **KIET's ex-students** of ECE/CSE/IT & ME branches, who have opted entrepreneurship as their career option. These incubate companies have either developed very innovative projects or are in the process to commercialize the same. Also, KIET-TBI provides training to students, staff & faculty in the area of entrepreneurship. In the financial year 2014-15 total **1145 participants** have been trained through EDP/WEDP/TEDP/EAC & FDP programmes.

## Significant Achievements-TBI

- **NSTEDB, Department of Science & Technology, Govt. of India** has approved **Rs. 22,00,000** (Rs. Twenty two lacs only) under DST-NIMAT project to organize 23 different programmes for the financial year **2015-16**.
- **Mahindra World City-SEZ, Jaipur** Sanctioned grants of **Rs. 17,00,000/-** (Rs. Seventeen Lacs) to organize *entrepreneurship programme* on different trades for financial year **2015-16**.
- **5 final patents and 1 provisional patent** have been filed.
- A total grant released by Department of Science & Technology, Govt. of India, Small Industries Development Bank of India, Lucknow & Industrial & Infrastructure Development, Govt. of U.P. of **Rs. 7.10 Lacs** to conduct workshop on “**Exploring Pathways to Promote Entrepreneurship through Incubation & Innovation**” at Lucknow on 24<sup>th</sup> & 25<sup>th</sup> January, 2016. In the workshop around 250 nos. of participants attended the workshop. The objective of workshop was to sensitize the Directors/Professors/Students of Engineering & Management colleges towards Entrepreneurs.
- Seed Support grant released of **Rs. 1.00 crore** only by **NSTEDB, DST, Govt. of India, New Delhi**.
- TBI-KIET has been **empanelled by RSLDC, Rajasthan Govt.** for Skill & Entrepreneurship training to the unemployed youth of Jaipur, Rajasthan.
- TBI-KIET registered as **Partner institute of FICCI** under National Association of Vocational Skill Provider (NAVSP) - Registration no. FICCI/ NAVSP/ 2016/03/142
- Development Commissioner-MSME, Govt. of India has **approved 12 ideas** to incubate companies during the year 2015-16 and Rs. 75.00 Lacs has been approved as grants-in-aid to the incubatees.
- One incubatee Mr. Prabhat Kumar C/o M/s. **Pratimesh Labs** won **International award of Rs. 7.50 Lacs** invited by **India-Africa Business Venture at Ghana**.
- One incubatee Mr. Shivam Dikshit C/o M/s Atrim Electronics Pvt. Ltd. registered a company in **Seattle, USA** named **IoTfy, Inc** and selected by 9Mile Labs accelerator program, Seattle, USA. 9Mile labs invested **\$105,000** in IoTfy, Inc. Invited all the co-founders to 14-week program to make product market ready. IoTfy has 4 advisors:
  - **Mukund Ghangurde** : Director(IoT) at Microsoft
  - **Rob Adams** : Senior Director (CorpDev) at Cisco
  - **Will Hodgeman** : C-level executive, Angel investor
  - **Joachim Lindborg** : Policy Maker, expert in IoT space, IoT Council Europe

# KIET Group of Institutions

## Institutes' Recognition

- KIET has been awarded with “**Campus Preparedness Award 2015**” for meeting out the Goals & Challenges of Institutional Advancement amidst Emerging Global Trends in Higher Education in an award function on 2nd Apr’15 (by **Engineering Watch**)
- KIET has received “**Best IT project by students**” awarded by **RICOH (a Japanese Company)** on 10<sup>th</sup> Apr’15 at Radisson Hotel, Noida. Only 7 colleges from North India have recognized for different categories by expert panel of RICOH.
- Ranked as **No.1 for Best Management College** and **No.2 for Best Engineering college** in UPTU by **Dialogue India** in an award function , Delhi (20 Jun' 15)
- KIET was the **host institution** for Virtual round of **SAENIS efficycle 2015**. 92 colleges including our Team Incredible participated in the event held at KIET. (4-5 Jul’15)
- KIET ranked at **91st** among 700+ engineering colleges across India in **EDU -RAND Engineering College Ranking 2015**.
- Established **NPTEL -Local chapter at KIET**. Coordinator: Dr. Anil Ahlawat

## KIET - The Social Spirit

KIET admires the students & faculty who values social work and takes initiative to work for a social cause. Some of the initiatives taken by our students & faculty in collaboration with KIET are as follows:

- **Road Safety:** Two NSS volunteers won the first and second prizes at district level debate, organized by Ghaziabad Police on 7<sup>th</sup> Nov’15.
- **Blood donation camp:** KIET conducted a Blood donation camp in association with the *Rotary club on 1<sup>st</sup> Nov. 2015*. A good number of students, faculty and staff members (500 approximately) donated blood voluntarily for a noble cause.
- **Plantation:** On 15<sup>th</sup> Aug, 2015, students planted 1000 plant near Gang Nahar Muradnagar. It was one of the biggest plantations in the District of Ghaziabad.
- **Participation in Mock-drill by NDRF ghaziabad:** 52 NSS volunteers participated in Mock-drill, jointly organized by District administration NDRF Ghaziabad Unit on 17 Jan 2016.
- **Distribution of blankets:** NSS wing, with assistance of the benevolent management and faculty/staff members of KIET, *distributed blankets to the underprivileged people* to alleviate the severe curse of winter on 26<sup>th</sup> Jan ’16

## Other Events:

<b>Epoque 2015</b> -Annual Techno Cultural fest : Celebrity: Neha Kakkar . <b>2500 +students</b> participated.	20-21 Mar’15
<b>Convocation 2015:</b> Dr. R.K Khandal, former VC, UPTU & Chief Guest: Sh. Rajnath Singh, Hon’ble Minister of Home Affairs blessed the graduates.	11 Apr’15
<b>SEE-UPTU 2015</b> -KIET as Center	18-19 Apr’15
<b>Alumni Meet 2014-15</b> - Dept. level	Apr’15
<b>Tree Plantation</b> - on World Environment Day	5 Jun’15
<b>ISO External Audit</b>	10 Jun’15
Independence Day Celebrations & Tree plantation at Gangnahar, Muradnagar	15 Aug’15
<b>Frescos 2015-</b> Fresher’s Welcome	28 Aug’15
<b>SPIC MACAY : Virasat 2015</b> - Odishi dance performance by <b>Ms. Kavita Dwivedi</b> (Society for the promotion of Indian Classical Music & Culture Amongst youth)	4 Sep’15



## KIET Group of Institutions

20 <sup>th</sup> Governing Council Meeting	19 Sep'15
Teachers Day Celebrations	5 Sep'15
<b>Sports Fest</b> - Inter Hostel Tournament	1-10 Sep'15
<b>Literary Fest 2015: 1500+ students</b> participated in different events (Quiz, GD, JAM, Creative writing & Turncoat)	3 Oct'15
<b>Alumni Meet - REMINISCENCE-2015</b> at Institute level. 150+ Alumni participated.	24 Oct'15s
Sports Fest -Institute level	Oct'15
<b>SPIC MACAY : Virasat 2015 : Rajasthani Folk Song-</b> Lecdem by <b>Ustad Rahmat Khan Langa</b> and Team of Artists	2 Nov'15
Deepoutsav 2015 celebrations	7 Nov'15
New Year Celebrations	1 Jan'16
Republic Day Celebrations	26 Jan'16
<b>E-Summit - ENDEAVOUR 2016.</b> 2000+ students from 40 different colleges across NCR competed in 18 diverse events in this techno-entrepreneurial fest.	26-27 Feb'16

The Vision of the college is ***“To achieve excellence in technical education and create competent professionals for Industry & Socio-economic development to meet National and International needs”***. To fulfill this, the Institute is continuously striving to achieve *excellence* in the following areas:

- Use of *e-learning* content in the Teaching-Learning Process
- **Practical Orientation** to the subject taught
- **Academia-Industry** connect
- **Quality faculty** from Institutes of repute background
- Thrust on **Research** and **Industrial Consultancy**
- **FDPs** and **refereed Journal Publications**
- **Employability Enhancement** of students by conducting skill oriented training beyond curriculum

Our Institute focuses **on developing technical resources** for the nation with a special emphasis on **holistic development** of students, imbibing professional **ethics & values** during their stay in campus, so that, not only they get employed in a good organization or opt for higher education/ research but also develop **entrepreneurship spirit** within them so that they create employment for others, in turn **serve the society**.

The Institute has been able to maintain its position of leadership among the Institutions of higher Technical Institution in the state of Uttar Pradesh. With total commitment of KIET's management, faculty, staff and students and benevolent support of the University, I am confident that the Institute will achieve a position of eminence in the field of technical education in the country in the years to come.

KIET Group is a catalyst in **creating excellence in technical education**. The Institute has well laid policies & procedures, well established hierarchical and organizational structure, human resource system. These all have made this Institute at **par excellence**.

At the end, I once again express my deep gratitude to **Hon'ble Chief Guest, Shri Mukul Singhal, IAS**, Principal Secretary, Department of Technical Education, Government of Uttar Pradesh, Lucknow and **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor** - Dr. A.P.J Abdul Kalam Technical University, for honouring us by their presence on this solemn occasion; to the students who have done proud to us and are the reason for our existence and to our faculty and staff for their contribution in the growth of the Institute.

## KIET Group of Institutions

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We are keenly aware that 17 years is a short period in growth of an Institution of higher Technical Education and that the journey has just begun and we have a long way to go. To reflect this, I would like to conclude with the inspiring lines from Robert Frost:

*The woods are lovely, dark, and deep,  
But I have promises to keep,  
And miles to go before I sleep,  
And miles to go before I sleep.*

**JAI HIND**

## *Annual Report*

**Dr. J. Girish, Director**

Hon'ble **Chief Guest, Shri Ravi Shankar Prasad**, Union Minister of Law & Justice and Electronics and Information Technology, Government of India, Hon'ble **Guest of Honour, Padma Bhushan Dr. T.Ramasami**, Ex - Secretary, Department of Science & Technology (DST), GOI, **Shri Atul Garg**, Minister of State, U.P., **Prof. Vinay Kumar Pathak**, Hon'ble **Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University; **Sh. M.P Jain**, Hon'ble **Chairman**, Hon'ble members of Board of Governors; Hon'ble Guests; esteemed Directors and Principals; Deans, Heads of Department, members of faculty & staff; young graduates; members of media; ladies and gentlemen.

It is my proud privilege to welcome you to the **Convocation 2017** of KIET Group of Institutions at which 1195 students of B.Tech / B.Pharm and 235 students of MBA/MCA, who have graduated in **June 2016**, will be awarded their degrees and certificates of achievements.

Ladies and gentleman, it gives me great pleasure to present before you a brief summary of the activities and achievements of the institute for the academic year 2015-16.

Starting with **180 students in 1998**, the institute has **5300+ students** on its rolls: a substantial growth since its inception. The institute has set benchmarks every year and thus growing into an **Institution of Excellence** in technical education. The Institute in the A.Y 2016-17, has a sanctioned intake of 1020 students in B. Tech Courses, 86 in B.Pharm and 120 each in MBA and MCA. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

### **Academic Performance**

One of the great milestones of KIET is maintaining the consistency of achieving top result in the University. Analogous to every year's achievements, KIET is proud to declare that it's **17 students** (B.Tech -11 ranks, MBA -2 ranks, MCA-2 ranks & B.Pharm-2 ranks) have brought laurels to its name by getting their names marked amongst **top ten** at the University level including two silver and three bronze medals for session 2015-16 at Dr. A.P.J Abdul Kalam Technical University.

### **Intellectual Capital**

I am glad to report that KIET has **311 faculty members** on its roll. Out of which **80 PhDs**, **119 PGs** and **112** faculty members are pursuing their PhD from Institutes of repute. Six faculty members have completed their Ph.D in A.Y 2015-16. I am happy to report that our **38 faculty** members have been felicitated with **Performance Based Incentives** in A.Y 2015-16. The faculty



## KIET Group of Institutions

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members of KIET are its assets who differentiate it from other institutes and make it one of the best institutes in U.P.

The institute gets glorified with the research papers written and published by its faculty members. More than 100 technical papers have been published in journals and conference proceedings (National/International) by faculty members in the A.Y 2015-16.

KIET regularly conducts faculty development programmes for enhancing the technical, subject specific and soft skill knowledge of its faculty members, leading to their holistic development. I am happy to report that in last one year 15 faculty and staff development programmes has been conducted for faculty and staff. KIET also encourages its faculty members to participate in FDP and QIP programs organized by institutes of repute.

### **Faculty Recognition**

We are delighted to congratulate the faculty members who have received honours and thereby earned glory to KIET.

- Dr. J. Sahoo, Dr. Mandeep Arora and Dr. K. Nagrajan of KSOP - Member of Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment, Forests and Climate change (Animal Welfare Division),GOI.
- Dr. Sanjar Alam, KSOP - got an individual honour for the approved grant of 19.2 lacs through National Post Doctoral Fellowship (NPDF) under DST, Govt. of India
- Dr. K.R. Chaturvedi , MBA - Appointed as Dean (Management) of AKTU, Lucknow
- Mr. Ashish Thombre, EN - Recognized Certified Internal Auditor for ISO 50001-2011 for Energy Management System
- Mr. Ankur Singh Bist,CSE - Young Scientist award 2016
- Mr. Adesh Pandey, IT - Top CTOs of colleges award
- Dr. Preeti Chitkara, AS - Poetry Prisha - The God's Gift published in an International Anthology named Purple Hues-2
- Mr. Satendra Kumar, GM-TBI : Member - Advisory Board of ISBA (Indian Steps and Business Incubators Association)
- Dr. Prateek Gupta, MBA - Poetry on "Jago Grahak Jaago" published as a Bookmark made by Ministry of Consumer Affairs, Govt. of India, under consumer protection activities.

### **New Initiatives**

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

## KIET Group of Institutions

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- Launched **KIET E - learning Portal** with an objective to facilitate students by providing a learning platform through availability of notes, chat server facility and videos i.e. Digital Learning Centre for students.
  - ✓ Registered Users: 1263
  - ✓ Uploaded Videos: 842
  - ✓ Uploaded Documents: 490
  - ✓ Unique Search for Videos: 1316
  - ✓ Unique search for documents: 5249
- Launched its first **Mobi App** - Instant Information sharing to all Mobi App Users
- **Campus Laundry facility** for hostellers
- **Canteen Capacity - doubled**

### Extracurricular & Co-Curricular Activities

The institute emphasizes all round development of students by encouraging learning beyond class rooms. KIET gives equal importance to curricular, co-curricular and extra-curricular activities. KIET organized a plethora of such activities in the year 2016 to give a maximum opportunity to its students to groom into confident and strong personalities - enrich their learning experiences viz. Epoque - annual techno cultural fest, literary events, annual sports meet, Prabhudda - inter collegiate quiz fest, Rann-inter collegiate sports fest , Innotech - Technical fest, Endeavour - E Summit, Alumni Meet, Virasat (Spic Macay) , Kalakriti - creative event etc. wherein active involvement and participation of students is ensured. Also, KIET was the - Zonal level centre for conduct of AKTU- Technical, Literary and Management Fest 2016-17. Recently, Prastuti 2017- an inter collegiate cultural fest was organized at campus. More than 1000 students across the country participated in this event and competed for the prizes worth Rs. 10 lakhs. A plethora of approximately 34 sponsors including PayTM, WOW, Canon, OYO, Kotak Mahindra, ICICI, Comnet and other eminent names came forward to sponsor various events of Prastuti.

The institute promotes participation of students in technical and cultural events of various institutes of repute at National level. Numerous students of our institute took away a range of awards and certificates and brought name and fame to us. Recently, Team DINOBOTS of ECE won accolades in ROBOCON 2017 held at MIT, Pune by achieving AIR 13<sup>th</sup> rank – Top rank (North). I would like to congratulate the entire team for their exemplary efforts.

### National level achievements

<b>Efficycle</b>	Team Incredible stood <b>first overall</b> in all dynamic events -gradability, acceleration, maneuverability and utility event. Team won cash prize of Rs. 2,00,000
<b>Techkriti</b>	Team GreenASHA won <b>first prize</b> of Rs. 1,00,000/- for their project developed on theme "Innovations in Manufacturing Practices" , IIT- Kanpur

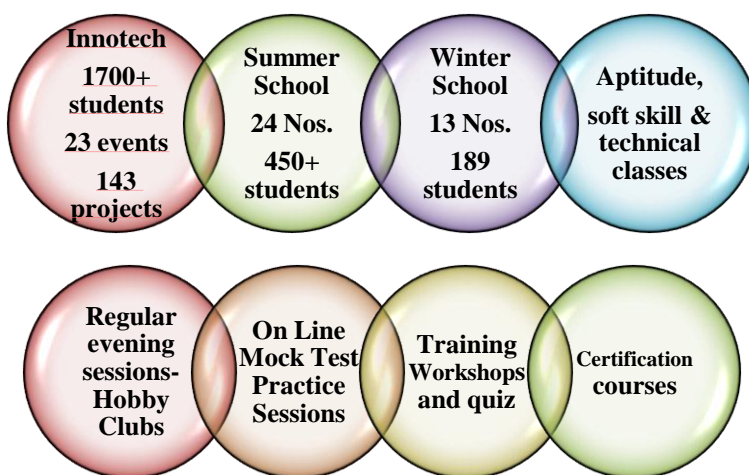
## KIET Group of Institutions

<b>EngiNX 4.0 TCS</b>	KIET Team Developers bagged <b>2<sup>nd</sup> position</b> and got placement offers at TCS
<b>TCS CodeVita Season V</b>	KIET <b>tops</b> the final list with 30 Teams. 45 Students got job offers.
<b>AICTE- Smart India Hackathon</b>	Two teams qualified for grand finale
<b>Elite Karting GO-Kart competition</b>	Team Invictus - SAE KIET team qualified Virtual Presentation round – bagged 4 <sup>th</sup> position all over India. Their designs have been selected among from 57 cities covering 16 states of India

### Beyond Curriculum Skill Development Initiatives:

The institute has gained a distinct image among technical institutions of Uttar Pradesh due to its inclination towards *innovative and skill based* education. Emphasis on theoretical concepts with practical applications, value added programmes to have additional skills beyond curriculum and developing soft skills in its students. To enhance employability skills, Soft Skill Dept. was established. Further, dedicated team is providing aptitude training.

One of the key focus of KIET is: *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 visits, industrial consultancy and job related skill training. Exposing students to a variety of curricula to develop their technical skills, get hands-on experience, KIET has taken diverse initiatives:



Every year students are performing well at National level viz. GATE, GPAT, IES, PSUs and L&T Build India Scholarship. Good number of students is getting post graduate admissions in IISc / IITs / NITs and in foreign Universities. I am happy to report that 177 students have qualified



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GATE 2016 and out of which 7 ranks in first 500 (AIR). In GPAT 2017, 16 students and two faculty members have qualified and out of which 3 ranks in first 200 (AIR).

Students - ***Innovative Projects*** that exhibit practical orientation of the students:

- KIET Electric Vehicle Club : **Solar e-vehicle**
- **Smart Road and Safety System**
- **Smart City - A dream of honorable Prime Minister**

The above projects were demonstrated at **Foundation ceremony of MSME Tech. Centre** at Greater Noida. **Solar e-vehical** got amazing appreciation from Shri. Giriraj Singh, State Minister, GOI during the ceremony.

**Dr. Pat Wheeler, University of Nottingham, UK, Dr. Derong Liu, Institute of Automation, Chinese Academy of Sciences China , Dr. P.C. Pant, Director - MNRE, Prof. Vinay Kumar Pathak, Vice Chancellor, AKTU** congratulated and appreciated electric vehicle team during their visit at KIET - International Conference in Nov'16.

### **Placement:**

KIET is consistently achieving good placements with blue chip companies. KIET strives hard to bring utmost satisfaction to the lives of its students through ample campus placements. Batch 2016 had **67%** placement. Major recruiters of the institute includes **Samsung, TCS, Dell, Indian Navy, Indian Army, Honda, Tech Mahindra, Wipro, CSC, Cummins, HCL, Hitachi, Fiserv, Amazon, Airtel, Capgemini, IBM, Sanofi, SUN Pharmaceuticals, GlaxoSmithKline** and many others.

### **Recruitment Statistics:**

**2016 Batch** → 245 Companies → 1111 Offers → Highest Package Rs. 10 lakhs/annum

**2017 Batch** → 145 Companies → 762 Offers → Highest Package Rs. 10 lakhs/annum (**placement activity going on**)

### **Industry-Academia Connect**

Connecting academia to the Industry gives real experience to the students while studying. KIET has taken numerous initiatives to enrich its academia and industry interaction.

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**Invited Expert Talks:** 38 distinguished speakers from *Industry and Academia* were invited to keep the students abreast of *latest developments and technology*. Also, regular training sessions by experts are being organized.

**Industry Visits:** 29 site visits were organized with focused approach to exhibit the real life applications of their learning and make them ‘Do Engineers’.

I am happy to report; three **International Conferences** have been organized in last one year which marked the presence of eminent keynote speakers : Prof. Derong Liu, **Professor, University of Science and Technology, Beijing** , Prof. Patrick Wheeler, **Professor, Power Electronics, Machines and Control Group, University of Nottingham, UK** , Mr. Rishi Gulati, **Sr. Director, IT, Celgene, U.S.A** , Dr. V. N. Jha, **Abdulziz University Kingdom of Saudi Arabia**, Prof. Shri Prakash Pandey, **Kano University of Science and Technology Wudil, Kano, Nigeria**, **Dr. Patsy Ann Parker, Professor and Associate Dean, Southwestern Oklahoma State University, (SWOSU) USA** including **58 delegates** from, Afghanistan, Srilanka, Ethiopia, Ghana, Namibia, Zambia, Nigeria, Philippines, Syria, Egypt, Peru, Sudan, Tunisia, Uzbekistan, Tanzani.

1. IEEE international conference on “Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity (CIPECH-16) organized by EN dept.
2. International Conference on “Frontiers of Science & Technology” (ICFST 2017) sponsored by CST & DST organized by Applied Science dept.
3. International Conference on “E-governance in Digital India: Limitation, Prospects and Opportunities" sponsored by NSTEDB Department of Science & Technology Government of India, New Delhi in association with Southwestern Oklahoma State University (SWOSU) USA organized by MBA dept.

### Centre of Excellence

KIET has joined hands with following industries and education zone for enriching learning experiences, exchanging thoughts and synergizing education:

- *D - Link* Global Center of Excellence - To prepare our students (CSE , IT, MCA, ECE) for IT infrastructure Services (ITIS)
- Collaboration with *National Power Training Institute (NPTI), Badarpur, New Delhi* to conduct *skill development programme* in power sector for our students (ME, EN,ECE ,EIE).
- STARTUP-MBA (SUM) cell in collaboration with *GS Foundation and KGS Advisors* to promote innovation based Start-Ups.
- *Southwestern Oklahoma State University (SWOSU),USA* - To develop academic and cultural exchange in the areas of education research, technology transfer and other

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activities.

## Consultancy

- Industrial Research and Consultancy Development Center (IRCDC), KIET - Civil Engineering Department is rendering consultancy services in association with EDRPL.
  - Targeted annual turnover for financial year 2017-18: **20 Lakhs**
  - Total Order Book till date - **INR 7,08,500/-**

## Grants Received/Approved for promoting the research excellence:

Funding Agency	Scheme	Amount (in Rs.)	Dept.
ICSSR, New Delhi (India Council of Social Science Research)	National Seminar	1,50,000	MBA
ICSSR, New Delhi	Project	2,00,000	MBA
CST , U.P. (Centre for Science & Technology)	International Conference ICFST 2017	50,000	Applied Science
SERB, DST	International Conference ICFST 2017	2,00,000	Applied Science
Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow	FDP (5 Nos.) (Planned in Jun-Jul'17)	7,50,000	ME, EN, IT, CE & KSOP
AICTE	Skill Development Programme (2016-17)	3,44,250	KIET

## TBI-KIET

- 20 nos.** Incubatee company (**4 Graduated, 3 new joined**) till date.
- 1325 nos.** participants have been trained through various types of programme during 2015-16 to promote and expose students to entrepreneurship.

## Significant Achievements-TBI

- NIDHI-EIR Scheme total grant received Rs. 39.60 Lakhs. Fellowship (Rs. 10,000/ to 30,000/- pm) for one year to 10 graduated students of B.Tech.
- NSTEDB, DST (Govt. of India) has sanctioned Rs. 72.50 Lakhs to organize various programmes.



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- MSME, Govt. of India under Incubator Scheme approved 15 ideas with a grant Rs. 6.25 Lacs each.
- Mahindra World City-SEZ, Jaipur Sanctioned Rs. 14 lakhs to organize entrepreneurship programme under CSR.
- Prototyping development M/c procured with capital grant of DST, Govt. of India, 3D printer, Laser Engraver etc.
- DST, Govt. of India sponsored an International Conference on E-governance in Digital India organized in Feb'17 of Rs. 2.00 lakhs.
- Under Startup India Initiative, seven startups have been recommended.
- Empanelled under Entrepreneurship Education Scheme of Ministry of Skill Development & Entrepreneurship, Govt. of India.
- Organized facilitation workshop at Ghaziabad, Uttar Pradesh & Jaipur, Rajasthan under DST-NIMAT project with EDII, Ahmadabad in November and December, 2016. (10 states and 75 implementing agencies participated).
- Five Entrepreneur Awareness camps (DST sponsored) have been organized by TBI-KIET in the dept. of CE, EN, KSOP, IT & MCA. 364 participants trained.

### **Institutes' Recognition**

- Got NAAC Accreditation with 'A' Grade for five years w.e.f. May, 2016
- NBA recredited for the third time - B.Tech (ME, EN, CSE, ECE and IT) programmes
- University Research Centre for CSE, EN, KSOP programmes. 32 Ph.D scholars have registered/doing coursework (CSE-17, KSOP-4, MBA-3, ECE-3, ME-1, AS-3, IT-1)
- Best CSI Student Branch Award awarded by CSI Ghaziabad Chapter in 2nd CSI IT Excellence Awards 2016
- Ranked at # 1 among Pvt. Engg. Colleges of U.P. for Innovation & Incubation- Dialogue India Academic Award Ceremony 2016
- Ranked at 5<sup>th</sup> (State ranking) among private engineering colleges and at 56<sup>th</sup> rank (National ranking) among India's Top 100 Private Engineering Colleges - EW India Private Engineering Colleges Rankings 2016
- Campus Swachhata Award 2016 - eduINDIA summit
- Empanelled by AICTE for PMKVY skill upgradation programme in areas of welding technician and field technician refrigeration.

### **KIET - The Social Spirit**

Along with various academic and skill development, KIET ensures that the values and ethics of its members are continuously triggered and enriched. To inculcate these values, Team NSS and Uddeshya - a society of students are actively involved in organizing numerous activities.

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## NSS-KIET

- Cancer Awareness Session in association with Indian Cancer Winner Association
- Free Health Check Up camp in association with 3H Healthcare, Patparganj, Delhi
- Pledge Taking - Environmental Safety under Green U.P- Clean U.P Campaign followed by Tree Plantation Drive
- Yoga session on International Yoga Day
- Blood Donation Camp in association with Rotary club

## Team Uddeshya

- Stationery collection drive
- 160 ID cards were distributed at Govt. schools, Asalat Nagar
- Team conducted a survey in the nearby village schools to assess their level of understanding - an attempt to find out about the current scenario of education in these schools.
- Organised a **seminar** to commemorate the **works of Late Dr. A.P.J. Abdul Kalam** the **“Missile Man of India”** on his first death anniversary
- Organized **“Tribute to Indian Army”** to pay tributes to our martyrs
- Recently, team started a new project in which **3 slums** have been **adopted** namely - Slum at Rajnagar Extension and Slums at Rawli Road (2 slums). At Rawli, around **100 children** are there and are taught basic manners along with some basic knowledge. **The team visits on daily basis after college hours**

The Vision of the college is **“To achieve *excellence in technical education* and create *competent professionals* for Industry & Socio-economic development to meet National and International needs”**. To fulfill this, the Institute is continuously striving to achieve *excellence* in the following areas:

- Use of *e-learning* content in the Teaching-Learning Process
- **Practical Orientation** to the subject taught
- **Academia-Industry** connect
- **Quality faculty** from Institutes of repute background
- Thrust on **Research** and **Industrial Consultancy**
- **FDPs and refereed Journal Publications**
- **Employability Enhancement** of students by conducting skill oriented training beyond curriculum

Our Institute focuses **on developing technical resources** for the nation with a special emphasis on **holistic development** of students, imbibing professional **ethics & values** during their stay in campus, so that, not only they get employed in a good organization or opt for higher education/ research but also develop **entrepreneurship spirit** within them so that they create employment for others, in turn **serve the society**.

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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. These all have made this Institute at **par excellence**.

At the end, I once again express my deep gratitude to, Hon'ble **Chief Guest, Shri Ravi Shankar Prasad**, Union Minister of Law & Justice and Electronics and Information Technology, Government of India, Hon'ble **Guest of Honour, Padma Bhushan Dr. T.Ramasami**, Ex - Secretary, Department of Science & Technology (DST), GOI, **Shri Atul Garg**, Minister of State, U.P., **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University for honouring us by their presence on this solemn occasion; to the students who have done proud to us and are the reason for our existence and to our faculty and staff for their contribution in the growth of the Institute.

I would like to conclude with the inspiring lines from Pele:

***“Success is not accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do”***

**JAI HIND**



## Annual Report

**Dr. Anil Kumar Ahlawat, Director**

Hon'ble **Chief Guest, Dr. Subhash Chandra, Hon'ble Member of Parliament and Chairman of Essel Group, Shri Atul Garg, Hon'ble Minister of State** (Food and Logistics, U.P Govt.), **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University, Lucknow; **Sh. M.P Jain, Hon'ble Chairman**; Hon'ble members of Board of Governors; Hon'ble Guests; esteemed Directors and Principals; Deans, CAO, Heads of Department, members of faculty & staff; young graduates; members of media; ladies and gentlemen.

It is my proud privilege to welcome you to the **Convocation 2018** of KIET Group of Institutions at which **1127** students of **B.Tech** and **B.Pharm** and **252** students of **MBA, MCA, M.Tech and M.Pharm**, who have graduated in **June 2017**, will be awarded their degrees and certificates of achievements in recognition of their efforts to achieve their goal through their hard work.

### Progression History

Started with **180 students** in **1998**, the institute has **5200+ students** on its rolls: a substantial growth since its inception and empowered with **327** highly qualified full time faculty to nurture our students. The institute has set benchmarks every year and thus growing into an **Institution of Excellence** in technical education. KIET is proud to have its alumni group of over 14,000 engineers, technologists, managers and entrepreneurs.

The Institute in the A.Y 2017-18, has a sanctioned intake of 1020 students in B. Tech Courses, 100 in B. Pharma and 120 each in MBA and MCA, 72 in M.Tech and 30 in M.Pharm. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

### Institute's Credentials

- Accredited by **NAAC with Grade 'A'** for 5 years w.e.f. May, 2016
- **NBA Accredited** Courses (EN, ME, CSE, IT, ECE) - *Reaccredited for the third time*
- **UPTU Academic Excellence Award** for B.Tech, MBA & B.Pharma (Only Institute in UP)
- **NIRF Rank (2017), MHRD-GOI** - India ranking overall : **Engineering (151-200)** and **Management (51-75) rank band**
- **University Research Center** for CSE, EN and Pharmacy discipline
- **Technical Business Incubator (TBI)** - Approved by NSTEDB, DST, Ministry of Science & Technology, Govt. of India (**Entrepreneurship Development initiatives through TBI-KIET**)

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**Ladies and gentleman, it gives me great pleasure to present before you a brief summary of the activities and achievements of the institute for the academic year 2016-17.**

### 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 **15 students** (B.Tech-11 ranks / MBA-1 rank / MCA-1 rank and B.Pharm-2 ranks) have brought laurels to its name by getting their names apparent amongst **top ten** at the University level including **one gold** (Vaibhav Garg -EI), **three silver** (Akhilesh Kumar-EI, Siddhant Omer- ME and Pragati Agarwal-MCA) and **two bronze** (Abhilekh Srivastava-CE and Naman Jain-EC) medals for **session 2016-17** at Dr. A.P.J Abdul Kalam Technical University. The Institute is privileged to have excellent quality of students, required support of their parents and dedicated efforts of faculty which has built **KIET a brand in U.P.**

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. 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, colloquium, by writing research papers for participation in National and International seminars and by taking up Industrial projects.

### Intellectual Capital

I am glad to report that KIET has **327 faculty members** on its roll. There are **87 PhDs, 140 PGs** and **100** faculty members are pursuing their PhD from Institutes of repute. **11** faculty members have completed their Ph.D in **A.Y 2016-17**.

The institute gets glorified with the research papers written, presented and published by its faculty members. More than **100+ technical papers have been presented / published** in journals and conference proceedings (National/International) by our faculty members in last one year. I am happy to report that **15 faculty** members have been felicitated with **Performance Based Incentives** in **A.Y 2016-17** in recognition of their efforts. The faculty 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

## KIET Group of Institutions

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both, KIET 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 joiners both at institute and dept. level to aid integration into the workplace and help them understand organization culture. Besides, KIET 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. I am happy to report that in last one year **20+ faculty and staff development programmes** have been conducted for faculty and staff. 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 STC, FDPs, QIPs as organized by institutes of repute from time to time.

### Teaching-Learning

- Remote centre of NMEICT workshop (MHRD project), IIT-Bombay & IIT-Kharagpur
- Remote centre of Virtual lab (IIT-Delhi)
- NPTEL local Chapter, IIT- Kanpur (recognized as **valuable NPTEL Local Chapter** with a rating of "A")
- Network Centre of NITTTR, Chandigarh for Short Term Courses

### Faculty Recognition

Our faculty members continuously endeavor to bring glory to KIET. We are delighted to congratulate the faculty members who have received honours and thereby earned glory to KIET.

- **Patent published** - K. Nagarajan, Parul Grover, Vinay Kumar, Mayuri Mishra, L.K. Ghosh; Design, synthesis & amino acid composition of fullerene based peptidomimetics as anticancer agent, Indian Patent, CBR Number 3248, Ref. Number: E-101/15378/2016-DEL, Appl. No.: 201611004953
- Prof. Arvind Kumar Sharma, EN and Mr. Vibhore Srivastava (Student) have **filed the provisional patent** application with Indian Patent Office for their model 'Portable Washing Machine-Cum-Table Fan'
- Mr. Abhay Bhardwaj, KSOP **filed a patent** on his Ph.D work 'Process of extracting phytoconstituents from herbal plants by using electrocoagulation in Intellectual Property India (Government of India) CBR No. 30624
- Prof. Ameer Faisal, EN **filed a provisional patent** on 'Smart Solar Cultivator'
- Prof. (Dr.) Ashu Mittal, KSOP developed, recorded & reviewed post graduate level teaching modules in the subject area of Biopharmaceutics and Pharmacokinetics for **Ministry of Human Resource & Development , Government of India**, under the scheme **e PG Pathshala**



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- Prof. Ravi Shankar Singhal, CSE awarded as **Best Student Branch Coordinator among CSI Ghaziabad Chapter** in **CSI IT Excellence Award 2017**
- Mr. Siddharth Jain, CE and Ms. Renu Sharma, MBA have been identified under **PM Yuva Yojna scheme**, **Ministry of Skill Development & Entrepreneurship, Govt. of India** to get trained and further motivate and educate students for opting entrepreneurial career.
- Dr. Pratibha Karanwal, ME appointed as **Power Angel (A special police officer)** an initiative taken by **UP government** to fill the gap between police and public, against women harassment.
- Dr. Mrinal Verma, MBA **felicitated and appointed as Associate Faculty** for future FDPs on the topic 'ICT based online and blended learning' being organized by **IIT Bombay**.
- Dr K Nagarajan, KSOP nominated as **Socially Aware Nominee** to **CCS National Institute of Animal Health, Department of Animal Husbandry, Dairying and Fisheries, Baghpat, Uttar Pradesh**.
- Dr. Prateek Gupta appointed as **Member of Expert panel at NCERT** for books and dictionary preparation
- Dr. Ashok Jangra, KSOP received **Gufic award** in an International Conference (NRIPSCON-2017) for **best oral presentation**.

### New Initiatives

Taking innovative initiative for improvement leads to overall growth of an organization. Besides, KIET is putting every effort to **support Nation's Digital Initiatives for Higher Education** (17-point action plan) as announced during National Convention on Digital Initiatives (Jul'17). KIET takes pride in notifying the following initiatives made during the year:

- KIET has become a **Member of National Digital Library (NDL)** - initiative of Ministry of Human Resource Development (MHRD), GOI. As on date total registered users at NDL portal are 5725 and activated users are 290.
- Active on **SWAYAM portal** (National MOOCs portal developed by MHRD, GOI - An online interactive learning platform) - At present we have total 2165 Nos. (Faculty and students) those who have registered on SWAYAM/NPTEL portal and around **110+ students and faculty** have already **cleared the certification**.
- **100 kw Solar power capacity** installed in campus.
- Installed **Sanitary Napkin Vending Machine in campus** as a part of **promoting Female Hygiene**.
- **Launched On-line student grievance module** with an objective to develop a responsive and accountable attitude among all the students and administration - to maintain a harmonious educational atmosphere in the institute.

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- Partnered with **M-Tutor** offering **integrated learning System comprising of Digital Learning Modules** with an objective **to supplement students learning and facilitate value addition through e-content**. Pilot project implemented for B.Tech first year students.
- Team E-Learning has launched **web-based Android Mobi App** to conveniently use the E-Learning Portal on mobile phones *to facilitate learning* outside classroom. At present, 3000+ active users on **E-learning portal -A Digital Learning Centre for students**.
- **New Library Management System with QR code** installed in campus - Developed by In-House team
- Launched **KIET- Kaksha Mobile app** for faculty members to mark students' attendance instantly in classroom. Pilot project implemented in three departments: CSE, IT & MCA. 150 active users.
- Ms. Meenakshi Karwal, AS has started project on **converting yard waste and garbage produced from KIET campus into eco friendly compost** through vermitechnology which is further being used to **enhance the growth of vegetation and increase the greenery in gardens inside the KIET Campus**.

### Extracurricular & Co-Curricular Activities

The institute emphasizes all round development of students by encouraging learning beyond class rooms. KIET gives equal importance to curricular, co-curricular and extra-curricular activities. KIET organized a plethora of such activities in the year 2017 to give a maximum opportunity to its students to groom into confident and strong personalities - enrich their learning experiences *viz.* Epoque - annual techno cultural fest, literary events, annual sports meet, RANN- an inter collegiate sports fest, Alumni Meet, Virasat (Spic Macay - for promotion of Indian classical music and culture among our youth), Prastuti - an inter collegiate cultural fest etc. wherein active involvement and participation of students is seen. Also, KIET was the - Zonal level centre for conduct of AKTU- Technical, Literary and Management Fest 2016-17. 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

- **Shivam Chaurasia, Shivam Gupta, Shrutika Arora** of KIET (Team- ERP) under guidance of Mr. Ashish Bajpai, CSE bagged **second prize** for their project titled **"Enterprise Resource Planning (ERP) for Smart Institute"** among **students of various Engineering institutes** from **all over India** in **1<sup>st</sup> AICTE-ECI Chhahtra Vishwakarma Award -2017**. Out of **965 Nominations** from **23 States**, total **55**

**innovative solutions** were **shortlisted** by a jury comprising experts from Industry and Academia led by eminent industrialist **Dr B.D Mundhra, Chairman, Simplex Infrastructure** and we are proud to share **KIET students' team (CSE & ECE)** could make it to the **final round** and **CSE KIET team - ERP** bagged **II prize (Only Institute from U.P)** under category award of **Outstanding Student Engineers** which is commendable.

- Our **Civil engineering students** under the mentorship of Prof. Ravindra Gautam, CE working on a **project PLA-BI-O-PRO** i.e. **PLA** - Plastic **BI** - Two (2) **O**- Oil **PRO**-Product. They are using the **plastic waste to produce oil and fuel gases** with the help of pyrolysis that can be used for any heating/cooking purposes. The calorific value of fuel was found to be 13246 cal/gm which is better than petrol and diesel. Analysis for its chemical composition and harmful effect upon surrounding is under process. It seems that the petrol and diesel can be replaced with some further modification by this fuel.
- **Team DINOBOTS** of ECE won accolades in **ROBOCON 2017** event held at MIT, Pune by achieving **AIR 13<sup>th</sup> Rank - Top rank (North)**.
- **Team Invictus** of SAE KIET bagged overall **19<sup>th</sup> position** in the **Elite Karting GO-Kart competition 2017** held at Bhopal.
- **Team IMMORTALS** of SAE KIET bagged overall **24<sup>th</sup> position** in **BAJA 2017** competition held at Pithampur, Indore.
- **1100+ students** have participated in **innovative competitions / hackathons** from our institute in last one year. KIET students (10 teams comprising 60 students) have submitted 10 Nos of innovative ideas in **Smart India Hackathon 2017**. Two teams qualified for grand finale.
- Nasir Iqbal (IV year), Rahatullah Ansari (CSE) and his team won **Rs. 1,00,000 /- cash prize** in **The Wolf of Chalkstreet 2017 (India's Largest Sales and Marketing Talent Hunt)**.
- Nasir Iqbal also got **selected among top 10** in **VoteMyIdea with Startup India & UpGrad contest in Made In India**.
- Shivam Chaurasia, Suyash Yadav and Tanya Gupta students of CSE have been recognized for **Best Website Development** for **CSI Ghaziabad Chapter**.
- Bhanu Pratap Rana (2nd year) presented a project : Analysis of innovative application of single dc motor in series and separately excited mode for hybrid electric solar car under the mentorship of Prof Rahat U Khan, EN during a program for **Young Indian leaders** at Town hall, Delhi.
- **KSOP team** bagged **second position** and **prize money of Rs. 5000/-** for their project titled 'A supernatural energy drink with significant neurogenerative and Neuroprotective action" in an **Entrepreneurship Summit** organized by AKTU. 150 teams from different colleges (AKTU affiliated) have participated.



### Beyond Curriculum Skill Development Initiatives

The institute has gained a distinct image among technical institutions of Uttar Pradesh due to its inclination towards innovative, critical thinking and skill based education. Emphasis on theoretical concepts with practical applications, value added programmes, motivating students for doing certification courses, active technical hobby clubs in every department, regular summer and winter schools on identified topics, training workshops 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 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. To list a few:

- Design and fabrication of **All Terrain Vehicle** by Team Immortals (BAJA event)
- Design of **three wheeled tricycle (eco friendly)** by Team Incredibles (Efficycle event)
- Design & fabrication of **small formula car** by team Invincible (SUPRA event)
- Design & fabrication of **RC Aircraft** by Team Exxorables (Manovegan event)
- Team Invictus participation in Go-Cart Elite Karting - **An engineering design & development competition**
- KIET Electric Vehicle Club - **Solar e-vehicle** - The project was demonstrated at Foundation ceremony of MSME Tech. Centre at Greater Noida. **Solar e-vehicle** got amazing appreciation from Shri Giriraj Singh, State Minister, GOI during the ceremony.
- ECE student's team under the mentorship of Prof. Amit Bohra is working **on Design and Manufacture of KIET Drone**.
- To develop and enhance creative skill of students, KIET organizes **Tech Fest – Innotech** every year. This year Innotech was organized in association with **Confederation of Indian Industries (CII)**, as an **inter-collegiate event** with an objective to boost the competitive spirit among the participants. The event marked the presence of Mr. Anish Choudhary, Joint Managing Director of CHW Forge Private Limited and Chairman CII western zonal council, Mr. Ajay Mohan Goel, Founder of Skills Management Group Pvt. Ltd. and Mr. Jasmeet Sethi, Zonal Head- Aspiring Minds

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Assessment Pvt. Ltd., Industry personnel from HCL, Accenture, Halonix, DRDO, ALTTC, BHEL, Central Electronics Ltd., Cadmed Pharma etc. to motivate our students.

Student's presented technical projects in the areas of social relevance and technical areas. In Project Exhibition this year, total 358 groups of students from KIET and 35 groups from eight other institutions of NCR region participated. Out of total 358 projects, **165 projects were selected /demonstrated**. The event witnessed the presence of around **1400+** students. Students won cash prizes in various categories and goodies worth **Rs. 4 lakhs**. Mr. Sanjay Bisariya, IAS, Joint Development Commissioner, Delhi was also present during prize distribution ceremony.

Students are being encouraged to go for post graduate studies and appear for GATE. 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. I am happy to report that **152 students have qualified GATE 2017** and out of which **15 ranks in first 500 (AIR)** and two ranks in first 200 (AIR). In GPAT 2017, 16 students and two faculty members have qualified and out of which 3 ranks in first 200 (AIR). I am happy to report that **five students** (Aman Mishra, EI (AIR Rank 61) /Ravi Kumar, ME (AIR Rank 132) / Abhishek Jha (AIR Rank 55), Vivek Singh (AIR Rank 114) & Ashish K. Pandey (AIR Rank 157), B.Pharm) who have secured **AIR ranks less than 200** were felicitated with **reward** amount of **Rs. 5000/- each** as per Institutes policy.

### Placement

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 2017 had excellent placement. The notable recruiters of the institute include:

**Capgemini, TCS, HP, Byju's, Hindustan UniLever, Kronos, IBM, Nestle, Godrej, Airtel, Hero MotoCorp, Saint Gobain, Rapid Metro, SyskaLED, Abbott, Torrent Power, Ranbaxy, Indian Navy, Indian Army**

#### Recruitment Statistics:

**2017 Batch → 250 Companies → 1061 Offers → Highest Package Rs. 11.00 lakhs/annum**

Almost every department made efforts to train its students for maximum campus placement.

### Industry-Academia Connect

Other important aspect of creating learning environment is inviting experts from industry and academia on regular basis to facilitate large scale interaction and exchange of ideas / knowledge. Connecting academia to the Industry gives real experience to the students while studying. I am happy to report that in last one year **50+ Guest sessions (Industry and Academia) and 30+ site 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.

Further, I would like to add that Department of Applied Science - KIET recently organized one **International Conference** on 'Soft Computing and Mathematical Modeling' sponsored by Science and Engineering Research Board (SERB) & Department of Science and Technology (DST), Government of India and Council of Science and Technology (CST), UP and Dr APJAKT University, Lucknow which marked the **presence of eminent keynote speakers**: Dr. Tadashi Dohi from Hiroshima University, Japan delivered Keynote address, Dr. Rajeev Kumar Mehajan, Scientist "G", SERB, DST, Joint Directors CST- Ms. Pooja Yadav and Mr. Radhey Lal, Mr. Mahadev Pandey, Scientific Office, CST, Mr. Sumit Vij, ERP and Transformation Expert, Tata Consultancy Services (TCS) and Prof. Shoji Nakamura, ICSHL, Kinjo Gakuin University, Japan, Dr. S B Singh, Professor, Dept. of Mathematics, Statistics and Computer Science, G.B Pant University, Uttarakhand, Dr. Arup R. Ray, AXISCADES Engineering Technologies, Bangalore and Prof. Chandra Shekhar, BITS, Pilani, Rajasthan.

This conference aimed to provide an insight into the innovative inventions, analyze significant advancements in the fields of Soft Computing and Mathematical Modeling. Total **46 papers** were presented.

Also, at KIET School of Pharmacy, **Golden Jubilee Celebration of Indian Pharmacological Society, Northern Region, a National Conference** (NRIPSCON-2017) in association with Indian Pharmacological Society (IPS) focused on the theme "Emerging Trend in Pharmacology & Pharmacy Practice" was organized. The event brought together more than **500 delegates including 150 medical pharmacologists and key researchers** from nearly each state of India. **20+ Expert sessions were conducted along with 50+ Oral Presentations and 70+ Poster presentations by young Scientists.** Conduction of such



## KIET Group of Institutions

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events on regular basis provides an opportunity to our students and faculty to listen, write, present and publish papers on latest developments and trends.

### Centre of Excellence

- KIET NI LABVIEW Academy - ECE
- Centre of Robotics and Mechatronics - ECE
- D-Link Global Center of Excellence - IT
- Apple for iOS University programme - IT
- CoE in Process Control and industrial automation - EIE
- Center of Excellence for Renewable Energy based Power System for Electrical Power Supply and Transportation - EN
- CAD/CAM, Material Science & Testing Lab, IC Engine - ME
- CoE in latest art of structural analysis and design facilities viz. STAAD PRO, E-TABS, SAP, ANSYS, PLAXIS, Primavera etc. - CE

### Consultancy

In the Institutes venture of tying up with industries, some of its meticulous faculty members have received the opportunity to provide consultancy to industries. To mention a few projects:

- Industrial Research and Consultancy Development Center (IRCDC), KIET - Civil Engineering Department is rendering consultancy services in association with Engineering Design Research Pvt. Ltd. (EDRPL)
  - Targeted annual turnover for **financial year 2017-18: 20 Lakhs**
  - Total Order Book till Mar'18 - **INR 19,04,500/-**
- Designing for steel building for the commercial development of data centre at **CAPE VERDE, Africa** (CE dept.)
- Testing of F.R.P. composite on computerized universal testing Machine for **M/S North street cooling towers Pvt. Ltd.** (ME dept.)
- Field NDT test conducted at Gurgaon site (CE dept.)
- Consultancy from **Hotspottraveler.com** of Rs. 1.44 Lakhs (IT dept.)
- Consultancy for 30m spans bridge in **ARDEE City Mall, Gurgaon** (CE dept.)
- Consultancy project for automation of production process from **Kalco Alu System Pvt. Ltd. Ghaziabad** (EN dept.)
- Developing Inventory and Purchase Solutions for **JB Group, Gurugram** (MCA dept.)

### Grants Received/Approved for promoting the research excellence:

## KIET Group of Institutions

Funding Agency	Scheme	Amount (in Rs.)	Dept.
IIT, Bombay	Fund support for foundation program in ICT for education	25,000	CSE
CST , U.P. (Centre for Science & Technology)	International Conference ICSCMM-17 (22-23Dec'17)	50,000	Applied Science
SERB, DST - GOI	International Conference ICSCMM-17 (22-23Dec'17)	1,00,000	Applied Science
Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow	FDP (3 Nos.) (Planned in Jul'18)	4,50,000	IT,CE, MBA
SERB	Grants-in Aid (Project)	10,88,723 (2nd grant for F.Y 2017-18)	KSOP (Dr. Sanjar Alam)
Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow	Visvesvaraya Research Promotion Scheme	4,00,000	EN
	Seminar Grant	25,000	KSOP
	Seminar Grant	1,00,000	Applied Science
	Visvesvaraya Research Promotion Scheme (2017-18)	4,95,000	ME
	Visvesvaraya Research Promotion Scheme (2017-18)	4,50,000	KSOP

### TBI-KIET

KIET has a dedicated 'Technology Business Incubator' to promote Innovation and Entrepreneurship in the institute and in the adjoining areas. I am happy to report that:

- Presently **26 nos.** Incubatee companies are operational in TBI.
- **3790 nos.** participants have been trained through various types of programme during **2016-17** to promote and expose students to entrepreneurship.

### Significant Achievements-TBI

- Only 10 of TBI across India have Startups fellowship programme (Fellowship @ 30000/- pm) under NIDHI-EIR (National Initiative for Developing and Harnessing Innovation - Entrepreneur-in-Residence). Started from August, 2017 with 12 aspirants. Cheque released by Shri Adityanath Yogi, Hon'ble Chief Minister of Uttar

## KIET Group of Institutions

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Pradesh on 28/08/2017 in presence of Shri Atul Garg ji, Hon'ble Chairman, TBI-KIET & Hon'ble Minister of State of Uttar Pradesh.

- Seed Support sanctioned/disbursed to one incubatee of Rs. 10.00 lacs without collateral as soft loan.
- One incubate company M/s Vizortex R&D Pvt. Ltd. selected in Start-O-Vation for funding by Shri Ajay Chaudhary Co-founder, HCL & Shri Sujeet Kanoria, Vice Chairman of Srei Infrastructure Finance Limited.
- Shortlisted under Atal Innovation Mission to "Scale up support to established Incubation" for grant of Rs. 10 Cr.
- 02 patents have been filed by our incubatee company.
- NSTEDB, DST (Govt. of India) has sanctioned Rs. 110.50 Lakhs to organize various programmes during financial year 2016-17 to till date.
- MSME, Govt. of India under Incubator Scheme approved 01 idea with a grant Rs. 6.25 Lakhs.
- Mahindra World City-SEZ, Jaipur sanctioned Rs. 30.50 lakhs to organize entrepreneurship programme under CSR year 2016-17 to till date.
- Under Startup India Initiative, 10 startups have been recommended.
- Empanelled under Entrepreneurship Education Scheme of Ministry of Skill Development & Entrepreneurship, Govt. of India under PMYUVA scheme to train 200 nos. of students from 1<sup>st</sup> to 6<sup>th</sup> semester for opting entrepreneurial career.

### Institutes Recognition

- Conferred with **Outstanding Technical Institution Award 2016-17** (*Northern region*) - NITTTR, Chandigarh
- **Best CSI Student Branch award of Region-I** in CSI IT Excellence Award -CSI
- NPTEL recognized KIET as a **valuable NPTEL Local Chapter** with a rating of "A" based on performance in NPTEL Online Certificate courses (Jan- Jun 2017) and KIET has been able to grab its position (**Only institute from Ghaziabad region**) as one of the active local chapter (Jul-Dec'17) among **Top 100 rated local chapters**.
- **Best Private Engineering College of Uttar Pradesh- Dialogue India Award 2017**
- Approved as **Kalam Centre @ Campus** to promote culture of giving and social development through innovations by Dr. A.P.J Abdul Kalam Technical University, Lucknow on the occasion of the 86<sup>th</sup> birth anniversary celebration of Dr. A.P.J. Abdul Kalam held at AKTU Campus, Lucknow
- E-Cell (KIET) also received **Certificate of appreciation to facilitate innovations and entrepreneurship among students** from Hon'ble Vice Chancellor, AKTU in the august presence of Hon'ble Minister Shri Ashutosh Tandon, Minister of Technical and Medical Education, Govt. of UP on the same occasion.



## KIET Group of Institutions

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- **Accredited by ICDL India** as a **Test Centre** for the **ICDL certification programmes** - as a token of appreciation for our keen participation in the **Digital Challenge 2017 – India’s largest Digital Skills Competitions.**
- KIET School of Management got **certificate of appreciation** for **contribution in Digitalization in the field of education** from Government of India under Digidhan Abhiyan • in Digidhan Mela organized by Government of India and Uttar Pradesh Government

### KIET - The Social Spirit

Along with various academic and skill development, KIET ensures that the values and ethics of its members are continuously triggered and enriched. To inculcate these values, Team NSS and Uddeshya (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. The society has undertaken the task of teaching the children of laborers working in the campus during off hours. The students visit the nearby villages to create awareness regarding the importance of education. They also organize cloth collection drives wherein clothes donated by students, faculty and staff are distributed to the needy people and many more activities to support the underprivileged. This winter, Team Uddeshhya, was successful in being the Santa for approximately 2500 people across cities like Varanasi, Jhansi, Bareilly and Bijnor.

I would like to congratulate the entire **Team -Uddeshya** for their earnest efforts towards upliftment of weaker sections of society through creating awareness about importance of education, counseling, educating kids residing in slums and other initiatives.

Also, members of **National Service Scheme (NSS)** carried out several activities. To list a few:

- Yoga session on International Yoga Day
- Observance of National Voters Day - Pledge taking to create awareness among participants regarding electoral campaigns- its importance
- Celebration of 70 years of Independence and 75 years of Quit India Movement - New India Pledge taking ceremony
- Rashtriya Ekta Diwas 2017 - 200 students, faculty members and non-teaching staff members had taken the Rashtriya Ekta Diwas pledge
- Swachhta Pakhwara - Varied Activities were organized (2 weeks programme)
- Blood Donation Camp in association with Rotary club

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The Vision of the college is ***“To achieve excellence in technical education and create competent professionals for Industry & Socio-economic development to meet National and International needs”***. To fulfill this, the Institute is continuously striving to achieve *excellence* in the following areas:

- Use of ***e-learning*** content in the Teaching-Learning Process
- **Practical Orientation** to the subject taught
- **Academia-Industry** connect
- **Quality faculty** from Institutes of repute background
- Thrust on **Research and Industrial Consultancy**
- **FDPs and refereed Journal Publications**
- **Employability Enhancement** of students by conducting skill oriented training beyond curriculum

Our Institute focuses **on developing technical resources** for the nation with a special emphasis on **holistic development** of students, imbibing professional **ethics & values** during their stay in campus, so that, not only they get employed in a good organization or opt for higher education/ research but also develop **entrepreneurship spirit** within them so that they create employment for others, in turn **serve the society**.

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. These all have made this Institute at **par excellence**.

At the end, I once again express my deep gratitude to **Hon’ble Chief Guest, Dr. Subhash Chandra, Hon’ble Member of Parliament and Chairman of Essel Group, Shri Atul Garg, Hon’ble Minister of State (Food and Logistics, U.P Govt.), Prof. Vinay Kumar Pathak, Hon’ble Vice Chancellor, Dr. A.P.J Abdul Kalam Technical University, Lucknow** for honouring us by their presence on this solemn occasion; to the students who have done proud to us and are the reason for our existence and to our faculty and staff for their contribution in the growth of the Institute.

I would like to conclude with the following:

***Education is not the name of any degree or certificate that can be shown to others as a proof.....but education is the name of our attitude, action, language, personality with others in real life.***

**IAI HIND**

## Annual Report

**Dr. (Col) A Garg, Director**

Hon'ble Chief Guest, **Shri Ram Naik, Hon'ble Governor of UP, Shri Atul Garg, Hon'ble Minister of State** (Food and Civil Supplies, UP Govt.), **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University, Lucknow; Hon'ble Chairman & Members of Governing Council, Hon'ble Guests; esteemed Directors and Principals of various colleges, Colleagues from faculty & staff; young graduates; members of media; ladies and gentlemen.

It is my proud privilege to welcome you to the **Convocation 2019** of KIET Group of Institutions at which **1194** students of **B.Tech** and **B.Pharm** and **238** students of **MBA, MCA, M.Tech and M.Pharm**, who have graduated in **June 2018**, will be awarded their degrees and certificates of achievements in recognition of their efforts to achieve their goal through their hard work.

### Progression History

Started with **180 students** in **1998**, the institute has **5400+ students** on its rolls: a substantial growth since its inception and empowered with **300+** highly qualified full time faculty to nurture our students. The institute has set benchmarks every year and thus growing into an **Institution of Excellence** in higher education domain. KIET is proud to have its alumni group of over 14,000 engineers, technologists, managers and entrepreneurs.

The Institute in the A.Y 2018-19, has a sanctioned intake of 1200 students in B. Tech Courses, 100 in B. Pharma and 120 each in MBA and MCA, 72 in M.Tech and 30 in M.Pharm. I am pleased to share that **two new courses in B.Tech (i.e. Computer Science and Computer Science & Information Technology)** are added w.e.f. A.Y 2018-19 with sanctioned Intake of 60/course. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

### Institute's Credentials & Recognitions

- Accredited by **NAAC with Grade 'A'** for 5 years (Till 2021)
- **NBA Accredited** Courses B.Tech (EN, ME, CSE, IT, ECE), MCA & Pharmacy
- **UPTU Academic Excellence Award** for B.Tech, MBA & B.Pharm (Only Institute in UP)
- **NIRF (2018), MHRD-GOI – Ranking : Engineering (151-200) Pharmacy (76-100)**
- **University Research Center** for CSE, EN and Pharmacy discipline
- **Technology Business Incubator (TBI)** - Approved by NSTEDB, DST, Ministry of Science & Technology, Govt. of India with **52 successful Startups** & Selected under

**Atal Innovation Mission by NITI Ayog, GOI** to strengthen established Incubator Centre

- **'Gold Rating College'** in **QS India University Rankings 2018**
- Earned **'Platinum'** rating in **AICTE-CII Survey 2018**
- Ranked at # **34** (All India Rank) out of 1800 colleges in the **Internshala College Rankings 2018**
- Recognized on **Grade 'AA'** by **NPTEL** and **17<sup>th</sup>** among 100 local chapters
- **Overall first rank** at **Kalam Entrepreneurship League, AKTU** by being the **Top scoring college** for **May'18 & Aug'18**
- **Established Institution Innovation Council (IIC)** as per norms, Innovation Cell, MHRD,GOI.
- **Empanelled by AICTE** for **PMKVY Skill Upgradation Program**
- **Best Private Engineering College of Uttar Pradesh- Dialogue India Award 2018**

Ladies and gentleman, it gives me great pleasure to present before you a brief summary of the activities and achievements of the institute for the academic year 2017-18.

### 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 **19 students** (B.Tech-12 ranks / MBA-5 ranks / MCA-1 rank and B.Pharm-1 rank) have brought laurels to its name by getting their names apparent amongst **top ten** at the University level including **two gold, one silver** and **two bronze** medals for **session 2017-18**. 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.**

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. 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.

### Intellectual Capital

I am glad to report that currently KIET has **302 faculty members** on its roll. There are **104 PhDs, 116 PGs** and **82** faculty members are pursuing their PhD from Institutes of repute. **16** faculty members have completed their Ph.D in **A.Y 2017-18**.



## KIET Group of Institutions

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The institute gets glorified with the research papers written, presented and published by its faculty members. More than **80+ technical papers have been presented / published** in journals and conference proceedings (National/International) by our faculty members in last one year. Also, I would like to congratulate the faculty members who have made their fair contribution through filing /publishing of Patents. It is worthwhile to mention that **one Patent is granted & five Patents have been filed** by our faculty members in last one year.

I feel happy to report that **12 faculty** have been felicitated with **Dronacharya Award for Best Teacher** (Department level) and 10 faculty have been felicitated with **CV Raman Award for Best Researcher** (Institute level) in the A.Y 2017-18 - Rewarded with Rs. 25,000/- & Certificate of Appreciation in recognition of their efforts. The faculty 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 joiners 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 pleased to share that **six International Conferences, two National Conferences & one National Seminar** have been organized in last one year. Conduction of such events on regular basis provides an opportunity to our students and faculty to listen, write, present and publish papers on latest developments and trends.

### Teaching-Learning

- Remote centre of National Mission on Education through Information and Communication and Technology (NMEICT) workshop (MHRD project), IIT-Bombay & IIT- Kharagpur
- Remote centre of Virtual lab (IIT-Delhi)

## KIET Group of Institutions

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- National Programme on Technology Enhanced Learning (NPTEL) local Chapter, IIT-Kanpur
- Network Centre of National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh for Short Term Courses

### 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:

- Established **Automotive Mechatronics Centre** in association **Mercedes Benz India Ltd.** in the campus (Aug'18) with an objective to train aspiring engineers on latest automotive technology using latest, world- class tools and equipment to fulfil the need for skilled human resources in automotive field. **Currently, 20 students are attending one year Advanced Diploma Course (ADAM).**
- **BMW India "Skill Next"** Program - Engine & Transmission assembly received.
- Student Driven **"Innovation Centre"** to promote **Outcome Based Learning**.
- Cambridge English Communication, Foreign language (Japanese) & GRE coaching on campus
- A massive open online course (MOOCs) - Incentive Policy for faculty members (94 faculty cleared NPTEL Online certification Jul-Oct'18).
- Effective Alumni Engagement (4831 Alumni registered). Alumni Mentor - Mentee concept Initiated.
- Skill enhancement - Soft Skill Training Policy 1st yr. onwards (A.Y 2018-19)
- Industry readiness Skill sets – Implemented
- Project Display Week - 800+ students participation
- KIET Koder's Korner for promoting Competitive Coding Culture at Campus - preparing students on various coding platforms- to qualify and acquire various top notch packages through hiring hackathons
- Extracurricular Activity Calendar (SPIC MACAY, Hindi Play etc.)
- On-Line Counseling services "Your Dost" launched w.e.f Oct'18. 110 students availing this facility.
- Students Club (25 Nos.) - Operational (Managed by students)
- On-Line Merchandise - KIET Store
- NBA Manual "Bloom's Taxonomy" - In alignment - AICTE examination policy
- Constitution of Institute Advisory Board

I am delighted to share that in year 2018, our **eight students** have explored the **foreign education** at **Germany, Egypt, Indonesia, Kenya** through **Internship projects for six weeks** and Institute has extended **Scholarship support of Rs. 35000/- each** to these students.

## Extracurricular & Co-Curricular Activities

KIET Group of Institutions gives equal importance to curricular, co-curricular and extra-curricular 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 viz. **Epoque** - annual techno cultural fest, literary events, annual sports meet, **RANN**- an Inter-collegiate sports fest, Alumni Meet, **Virasat (Spic Macay** - for promotion of Indian classical music and culture among our youth), **Prastuti** - an inter collegiate cultural fest etc. wherein active involvement and participation of students is seen. 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. I am delighted to share that our students have won **cash prizes** worth **Rs. 5,42,351/-** in the **A.Y 2017-18** through participation in different Technical & cultural events at National / International level which is really noteworthy.

## Notable Achievements by our students

<b>Society of Automotive Engineers (SAE) BAJA 2018</b>	First Position in Sledge Pull Second Position in Suspension and Traction <b>Cash Prize of Rs. 90,000/-</b> Overall 7 <sup>th</sup> Rank
<b>SAE Supra 2018</b>	Second Position in Acceleration Third Position in Auto-cross Event Mr. Tuhin, Faculty Advisor- SAE-KIET got <b>Dronacharya Award</b> <b>Cash Prize of Rs. 20,000/-</b> Overall 6 <sup>th</sup> Rank
<b>SAE Effi-cycle 2018</b>	First Position in Gradient Build Quality award Light Weight Award <b>Cash Prize of Rs. 55,000/-</b> Overall 5 <sup>th</sup> Rank
<b>CII - Majestic Skill Will Lead 2018</b>	Our MBA & ME students bagged 1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> positions & rewarded with <b>Rs. 90,000 /-</b>
<b>AKTU-Sports (State level) 2018</b>	Won <b>State Championship</b> : Basket Ball (Girls), Badminton & Table Tennis (Boys) and Chess first runner up

## Other Achievements

Dept. IT & CSE	Unnati Kala (IT) & Aashish Mallick (CSE) - Made it to <b>Top 10 Facebook Innovator</b> in VR Gaming across India. <b>Mentored by - Mr. Swapnil, TBI – KIET Incubatee</b>
EI	Project “Automatic Calibration Software” Proved very useful for <b>Indian Air Force</b> for undertaking the calibration at 13 BRD
CE	Beat Plastic Pollution : Hackathon- <b>UP Pollution Control Board, Lucknow</b> first rank (Rs. 20,000/-) & Consolation prize (Rs. 2500/-) Gaurav & Vaishali - Eco Friendly Pen (Seed pen) won first prize Annual Fest-Destin ‘O’ Beats 10.0 in the event E- Go Green
KSOP, IT & CE	Three projects - Selected for <b>prototype grant</b> under 'Supporting fund for development of 100 Innovative Ideas' by <b>Dr. A.PJ Abdul Kalam Technical University (AKTU), Lucknow</b>
ECE	Project “Aadhaar Card Linked Automatic Health Care Machine” Won 2nd Prize at <b>National Level, India International Science Festival, Lucknow</b> Project also got shortlisted in <b>AICTE- ECI- ISTE Chhatra Vishwakarma Award’18</b>
KSOP	Project “ Development of Multistage Sterilization Cabinet” Won Rs. 12,000 /- & Rs. 5,000/- cash prizes (I & II positions) Project - OROCLEAN - 1st prize (10,000 cash prize) & Nurtonic - 1st prize <b>AKTU Kalam Parikrama event</b> (Jul & Aug’18)

## Beyond Curriculum Initiatives

Beyond curriculum hobby & technical clubs and centre 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, participate 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.



This year **Innotech** on the Theme '**New India**' was organized in association with **Society of Automotive Engineers (SAE-India), Northern Section & Confederation of Indian Industries (CII)**. The event marked the presence of **Sh. Ashutosh Tandon**, Hon'ble Minister of Technical & Medical Education, Government of UP, **Prof. Vinay K. Pathak**, Hon'ble Vice Chancellor, AKTU, Lucknow and **Dignitaries** from various **Industries** Mr. Mahesh Munjal, CEO, Majestic Auto, Mr. Sandeep Raina, Vice President - Engineering, Maruti Suzuki India Limited, Gurugram, Mr. Rakesh Sood, M.D. Trim India Pvt. Limited, Gurugram, Mr. Anup Kacker, Executive Director SAE NIS Gurugram, Mr. Sandeep Sharma, DGM-Corporate Technology, Minda Industries Limited, Gurugram, Mr. Yogendra Singh Kushwah, Section Head, New Technology Development - R&D Subros Limited India, Dr. Felix Regin A, AGM, Maruti Suzuki India Limited, Gurugram and many others.

Students presented technical projects in the areas of social relevance and technical areas. In Project Exhibition this year, total **77 teams** from **19** colleges / Universities/ Schools have participated. Out of total 800+ projects that were showcased by our students during Project Display Week held in October, **201 projects were finally selected / demonstrated during Project Exhibition**. The event witnessed the presence of around **2000+** students. Students won cash prizes in various categories and goodies worth **Rs. 2.50 lakhs**. The eminent **Sponsors** included *Made Easy, Worlds of Wonder, Jambooree, Kwaliti Walls* and many others. The event also witnessed the presence of renowned Publishers through Book Exhibition. Also, **Panel discussion** session on "**Skill Based Technical Education to Enhance the Employability**" was conducted in which active participation of Industry personnel & students was seen.

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)

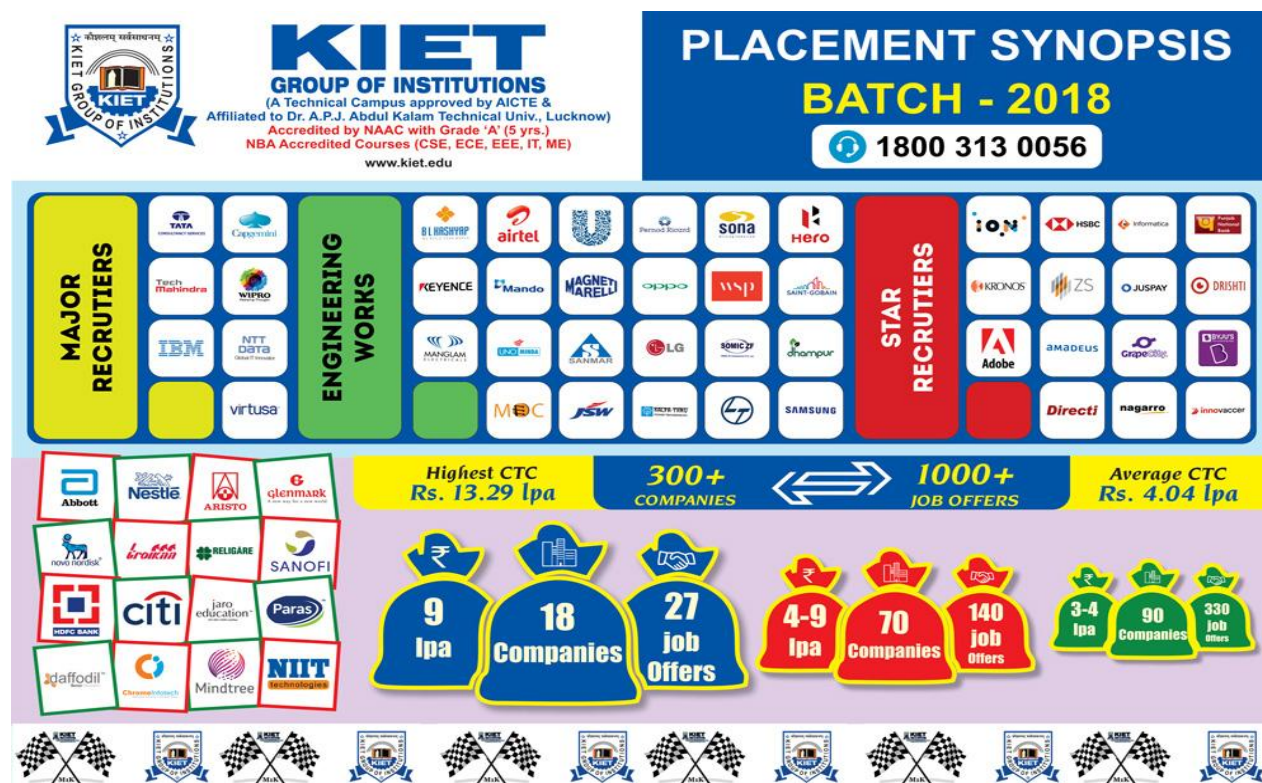
# KIET Group of Institutions

- 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 2018 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. I am happy to report that **125 students have qualified GATE/GPAT 2018** and out of which **four ranks in first 500 (AIR)**.

## 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 in last one year **40+ Guest sessions** (Industry and Academia) and **25+ site 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.

### Centre of Excellence (CoE)

- Centre for Automotive Mechatronics in association Mercedes Benz - ME
- KIET NI LABVIEW Academy - ECE
- Apple for iOS University programme - IT, CS, MCA
- Finance Lab - MBA
- Centre of Robotics and Mechatronics - ECE
- Centre of Excellence in latest art of structural analysis and design facilities viz. STAAD PRO, E-TABS, SAP, ANSYS, PLAXIS, Primavera etc. - CE
- D-Link Global Center of Excellence - IT, CS, MCA
- Centre of Excellence in Process Control and Industrial Automation - EIE
- Center of Excellence for Renewable Energy based Power System for Electrical Power Supply and Transportation - EN
- CAD/CAM, Material Science & Testing Lab, IC Engine - ME
- Maker's Space Innovation Lab - In process

### DST supported Technology Business Incubator (TBI) - KIET

- The Institute feels proud to announce that **52 Startups** are accelerated by TBI-KIET & presently **18 nos.** Incubatee companies are operational in TBI.
- **3000 nos.** participants have been trained through various types of programme during **2017-18** to promote and expose students to entrepreneurship.

### Significant Achievements of TBI - KIET

- Our **three startups won prize** in 2<sup>nd</sup> World INNOMPICS, 2018 at Malaysia.

- **3<sup>rd</sup> World INNOMICS, 2019** will be hosted by **KIET-TBI** in the month of Sep/Oct'19. **15 Countries** students shall participate alongwith 15 countries expert & juries.
- GM-TBI-KIET lead as Team Manager, India & Jury at 2<sup>nd</sup> World INNOMPIC'18 Malaysia.
- 1<sup>st</sup> phase NIDHI-PRAYAS being sanctioned and fund released by DST, GOI. In five years the funds 720.0 lacs based on performance. 2<sup>nd</sup> Phase NIDHI-EIR sanctioned by DST, Govt. of India
- NSTEDB, DST (Govt. of India) has sanctioned Rs. 57,90,000/- to organize various programmes.
- Mahindra World City-SEZ, Jaipur Sanctioned Rs. 14,50,000/- to organize skill development programme under CSR.
- One **patent filed** by NIDHI-EIR aspirant Mr. Rishabh Bhardwaj & also copyright filed by Mr. Swapnil Gaul for his simulator.
- **Kick Start – A product launch** one day Entrepreneurship event successfully organised.

### 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 Uddeshya (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.

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**.

At the end, I once again express my deep gratitude to **Hon'ble Chief Guest, Shri Ram Naik, Hon'ble Governor of UP, Shri Atul Garg, Hon'ble Minister of State** (Food and Civil Supplies, UP Govt.), **Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor**, Dr. A.P.J Abdul Kalam Technical University, Lucknow for honouring us by their presence on this solemn



occasion; to the students who have done proud to us and are the reason for our existence and to our faculty and staff for their contribution in the growth of the Institute.

I would like to conclude with the following:

***Education is not the name of any degree or certificate that can be shown to others as a proof.....but education is the name of our attitude, action, language, personality with others in real life.***

**IAI HIND**

## Annual Report

Dr. (Col) A Garg, Director

**1387** students of **B.Tech, B.Pharm, MBA & MCA** have graduated in **June 2019**.

### 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 21+ years, the Institute now has 5600+ students and is empowered with 300+ highly qualified full-time faculty to nurture our students. The institute is accredited by 'NAAC' with Grade 'A'. Moreover, its B.Tech (CSE, ECE, EEE, IT, ME), MCA and Pharmacy programs are 'NBA' accredited.

The Institute in the **A.Y 2019-20**, has a **sanctioned intake** of **1765** i.e. 1320 students in B. Tech Courses, 100 in B.Pharm and 120 each in MBA and MCA, 63 in M.Tech and 42 in M.Pharm. AICTE approval for 60 additional seats/course in B.Tech CO & CSI (added last year) and 15 seats in M.Pharm - Quality Assurance (new course) has been received w.e.f. 2019-20. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions.

### Institute's Credentials & Recognitions

- UPTU Academic Excellence Award for B.Tech, MBA & B.Pharm (Only Institute in UP)
- University Research Center for CSE, EN and Pharmacy discipline.
- Technology Business Incubator (TBI) - Approved by NSTEDB, DST, Ministry of Science & Technology, Govt. of India with 52 successful Startups.
- Empanelled by AICTE for Skill Upgradation programme.
- Best Performing Institution Innovation Council from North Zone for year 2018-19 and has earned four-star rating (out of five) on the basis of points associated with successful completion of each activity prescribed by MHRD's Innovation Cell (MIC) to promote Innovation & Start Up in campus. KIET is among Top 25 Institutes where Innovation Council is successfully functioning.
- Emerging Engineering Institute of the Year-North ASSOCHAM Edushine Award 2019.
- NPTEL - Overall 3<sup>rd</sup> rank among 100 Top rated local chapters with 'AAA' Grade – NPTEL rating (Jan-Apr 2019).
- Best Private Engineering College of Uttar Pradesh 2019 (Dialogue India).
- Best Private Engineering Institute (State rank), 2019 (Education World).
- Participation Certificate - Atal Ranking of Institutions on Innovation Achievements (ARIIA- 2019), MHRD, GOI.
- KIET as Nodal Centre to host Smart India Hackathon 2019 (Hardware edition), a flagship programme of MHRD, GOI -only Pvt. Engineering college among 18 other centre across India.

## **Brief summary of the activities and achievements of the institute for the academic year 2018-19.**

### **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 **15 students** (B.Tech-13ranks and B.Pharm-2 ranks) have brought laurels to its name by getting their names apparent amongst **top ten** at the University level including **two gold, two silver** and **two bronze** medals for **session 2018-19**. 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.**

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. 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.

### **Intellectual Capital**

I am glad to report that currently KIET has **300+faculty members** on its roll. **13** faculty members have completed their Ph.D in A.Y 2018-19.

The institute gets glorified with the research papers written, presented and published by its faculty members. **160+technical papers (SCI/SCOPUS indexed)** have been published in journals and conference proceedings (National/International) by our faculty members in A.Y 2018-19. **100 faculty** have cleared **NPTEL Online Certification** (Jan- Apr 2019) including 16 faculty (Elite+Gold) and 30 (Elite+ Silver) category. **09 Patents** have been filed/published/granted in the A.Y 2018-19. I would like to congratulate all those faculty members who have made their fair contribution through online certification/filing /publishing of Patents. I am pleased to share that **five International Conferences** have been organized in A.Y 2018-19.

I feel happy to report that **13 faculty** have been felicitated with **Dronacharya Award** for **Best Teacher** (Department level) and **10 faculty** have been felicitated with **CV Raman Award** for **Best Researcher** (Institute level), **10 faculty** recognized for their **outstanding contribution** other than academics & research, **22 staff members** felicitated with **'Star Employee Award'** in the A.Y 2018-19.

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,

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## KIET Group of Institutions

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extend guidance and take care of their personal and emotional concerns. Also, we have mentoring system '**Induction Training**' in place for new joiners 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.

### Value Additions – Student & 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:

- ✚ Setting up of new Department - "Department of Humanities & Social Science (HS)"
- ✚ Reward & Recognition Policy for Non-Teaching Staff introduced w.e.f. A.Y 2018-19
- ✚ Innovation Centre, conceptualized with a mission to promote outcome-based learning for students that includes learning by making market-ready projects and developing deeper understanding of the subject specifically in student's own interest area. This Centre is designed and developed with latest equipment for the practical hands-on experience of students and includes equipment and software tools of various fields of technology.
- ✚ Centre for Automotive Mechatronics in collaboration with Mercedes Benz India.
- ✚ Career Guidance Centre (CGC) for National & International educational opportunities and this has already proved instrumental in providing opportunities to the students to gain **internships in Germany, Egypt, Indonesia Kenya** & others. Japanese language course has also been introduced under its aegis.
- ✚ Establishment of Innovation & Entrepreneurship Council (IEC)
- ✚ Internship & Industry Partnership Cell (IIPC)
- ✚ Additional Skills introduced in first year.
- ✚ International Education Awareness Week (IEAW) 2019
- ✚ Launch of STC Portal – Connect X (Placement)
- ✚ SSB Academy @ KIET
- ✚ Distinguished Lecture Series (International Experts)
- ✚ Launch of new Website
- ✚ Campus Picnic (For faculty & staff)
- ✚ Policy for identified weak students
- ✚ Policy on disposal of old files/documents
- ✚ Students registration on Internshala Internship Portal
- ✚ MOOCs registration by every student
- ✚ Made Easy Test Series @ campus
- ✚ Conduct of Cambridge English Placement Test (CEPT) for MBA I year, BEC for B.Tech, B.Pharm & MCA



# KIET Group of Institutions

## Extracurricular & Co-Curricular Activities

KIET Group of Institutions gives equal importance to curricular, co-curricular and extra-curricular 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 viz. Epoque - annual techno cultural fest, literary events, annual sports meet, RANN- an Inter-collegiate sports fest, Alumni Meet, Virasat (Spic Macay - for promotion of Indian classical music and culture among our youth), Prastuti -an inter collegiate cultural fest etc. wherein active involvement and participation of students is seen. 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. I would like to mention that in **AKTU ZONAL SPORTS FEST-2019**, our 1100 students participated in 24 games and won **5 Gold, 6 Silver & 3 bronze**.

## Notable Achievements by our students

<b>NASA HERC 2019</b>	Won AIAA Neil Armstrong Best Design award. Team felicitated by Hon'ble President of India.
<b>BAJA 2019</b>	Overall 42 rank out of 150 teams Virtual rank 14 out of 383 teams
<b>SUPRA 2019</b>	Won clean pit award Cash prize of Rs. 10000 Overall 13 rank out of 120 teams
<b>SAEISS AERO DESIGN 2019</b>	Overall 21 rank out of 64 teams
<b>TIFAN 2019</b>	One Student got placement In John Deere

## Few other Achievements

- 1439 students cleared MOOCs (Jan-Apr'19). 66 (Elite+ Gold) & 389 (Elite + Silver)
- Team E-Yantra won National level Robotics Competition 2018-19 (29-30 Mar'19)
- Smart India Hackathon 2019 S/W edition, Team CSE, Ist, Rs. 50,000 (3 Mar'19)
- Team Padmini, 3<sup>rd</sup> Position in Chhatra Vishwakarma Award 2018-19 (20-21 Jan'19)
- Prototype development 'App of Malnutrition' Ist, KAPPTeC 2019, AKTU (12 Apr'19)
- 21<sup>st</sup> ISTE National Student's Convention 2019, Ist @ Product Development (29-30 Jan'19)
- National level Tech Fest of Construction Industry Development Council, Ist (11 Mar'19)
- Won Campus final of Mechatronics Cup, Rs. 10000 (6 Mar'19)
- CII Skill Will Lead 2019 - 6 teams (ME), Won Rs. 95,000 (Apr'19)
- AKTU State level 'ROBOWAR' -State Champion, GOLD - Team Dinobots (16 Feb'19)
- KIET Band @ Chitkara Flower Show & Food Festival - Ist & 3<sup>rd</sup>, Rs. 42,000 (15 Feb'19)

## Beyond Curriculum Initiatives

Beyond curriculum technical clubs and centre of excellences 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, participate 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 2019** 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 development 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.

## KIET Group of Institutions

### Centre of Excellence (CoE)

Department	Name of Excellence Centre
ECE	Centre of Robotics & Mechatronics KIET NI Lab View Academy
ME	Center of Automotive Mechatronics
	CAD/CAM
	Material Science and Testing Lab
IT	iOS App Development
	D-link Lab
EI	Process Control and Industrial Automation
CE	Structural Analysis and Design
EN	Centre of Excellence for Power Engineering Technology and Clean Energy Integration
MCA	Machine Learning & Big Data Analytics

Innovation Centre Club	Club Name
Prototype and Product Maker (KIET Product Innovation Centre)	KPIC
IP, BMI & Process Invention (Theory of Inventing problem solving)	TIPS
User interface, user experience and user interaction design	Mosaic
IoT (Digital input output system)	DIOS
Augmented reality	Sensorama
Chip designing (RTL to Netlist and physical design – floor planning)	DEUCE
Artificial intelligence and machine learning	Mycine
Data Science, Business Analytics Visualization	InSight
Game Creator	Trans-Raptor
Flying objects drone creators	iNav
Server architecture, Network security and ethical hacking	SAGE
3D Designing, CAD Modeling	Pronto

### DST supported Technology Business Incubator (TBI) -KIET

- The Institute feels proud to announce that **52 Startups** are graduated by TBI-KIET & presently **18 nos.** Incubatee companies are operational in TBI.
- **3000 nos.** participants have been trained through various types of programme during **2018-19** to promote and expose students to entrepreneurship.



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## KIET Group of Institutions

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### Significant Achievements of TBI - KIET

- 5<sup>th</sup> Edition of Endeavour-Annual E-summit organized during 23-24 February, 2019. Total Footfall 1500+ from 39 colleges PAN India participated in 7 events. Shri Atul Garg, Hon'ble Chairman, TBI KIET alongwith Shri Pradeep Kumar, Chairman, IIA, Ghaziabad distributed cash prize to the winner of B-Plan, Hackathon, Q-fiesta, Your story, Suicide squad & Monopoly.
- NIDHI-EIR and NIDHI-PRAYAS are flagship scheme of DST, Govt. of India. Only two institutions have been given this responsibility. 2<sup>nd</sup> round of Project Management Committee for NIDHI-EIR & NIDHI-PRAYAS had been convened and 09 nos. aspirants of NIDHI-EIR & 02 nos. aspirants of NIDHI-PRAYAS have been approved and subsequently NIDHI-EIR applicant awarded fellowship Rs. 25000 to Rs. 30000/- for one year and Praysee had been awarded a grant of Rs. 4.00 Lacs to 6.00 Lacs.
- In 3<sup>rd</sup> PMC meeting of NIDHI-EIR & NIDHI-PRAYAS 3 nos. aspirants selected in NIDHI-EIR & 5 nos. in NIDHI-PRAYAS.
- Two weeks FDP (5 programs) organized @ Ghaziabad, Prayagraj, AKTU-Lucknow, Dehradun and Almora. 109 trained.
- Three days Entrepreneurship Awareness Camp (In-House). 300 trained.

### 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 Uddeshya (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. Regular activities are carried out by the team.

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**.

**"No one has travelled the road to success without crossing the streets of failure.  
God never promised us easy journeys. He only promised us great destinations"**

**IAI HIND**

## Annual Report

Dr. A Garg, Director

**1343** students of **B.Tech, B.Pharm, MBA & MCA** have graduated in **June 2020**.

### 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 22+ years, the Institute now has 6000+ students and is empowered with 300+ highly qualified full-time faculty to nurture our students.

The Institute in the **A.Y 2020-21**, has a **sanctioned intake of 1834** i.e. 1320 students in B. Tech Courses, 100 in B.Pharm and 150 each in MBA and MCA, 72 in M.Tech and 42 in M.Pharm. Over the years, KIET Group of Institutions has been established as a preferred destination to bright students with 100% admissions

### Institute's Credentials & Recognitions

- Accredited by 'NAAC' with Grade 'A'.
- B.Tech (CSE, ECE, EEE, IT, ME), MCA and Pharmacy programs are 'NBA' accredited.
- UPTU Academic Excellence Award for B.Tech, MBA & B.Pharm (Only Institute in UP)
- University Research Centre for CSE, EN and Pharmacy discipline.
- Technology Business Incubator (TBI) - Approved by NSTEDB, DST, Ministry of Science & Technology, Govt. of India.
- SIRO Certification DSIR (2019-2022).
- Empanelled by AICTE for Skill Upgradation programme.
- KIET earned a vital position in the Rank Band of 201-250 for Engineering discipline in National Institutional Ranking Framework (NIRF) - India Ranking 2020 announced by MHRD, Govt. of India. (June 2020)
- KIET conferred with "E-LEAD (E-Learning Excellence Award for Academic Digitization) Certification" by QS I-GAUGE (June 2020).
- Outstanding Colleges in India" Award by EdTech Review during EdTech Review-Conference, Expo, Pitch & Awards @ Gurugram 5-6 Mar'20.
- KIET conferred with "Excellence in Enabling Research Environment" Award by ASSOCHAM @ 13<sup>th</sup> Higher Education, Skill and Livelihood Conclave (25-26 Feb'20).
- India STEM Award – Best Technical Fest Award & Best Technology Infrastructure Award (Feb'20)
- Best Private Institute in North India for Innovation 2019 award for outstanding and exemplary contribution towards Education, Skill Development and Research by Centre for Education Growth and Research (CEGR). (Dec 2019)
- Gold rating @ CII-AICTE Survey 2019.
- KIET recognized by AKTU for the efforts & transformation under Unnat Bharat Abhiyaan (UBA).

## KIET Group of Institutions

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- 6<sup>th</sup> Rank (UP State) – India Private Higher Education Ranking 2019-20.
- Overall 3<sup>rd</sup> rank among 100 Top rated local chapters with ‘AAA’ rating – NPTEL rating (Jul-Dec 2019).
- Overall 1<sup>st</sup> Rank & Top scoring college for Jul’19 to Sep’19 at Kalam Entrepreneurship League, AKTU KALAM Centre @ Campus, AKTU
- KIET as Academic Partner @ ICAT Nu Gen Mobility Summit 2019.

**Brief summary of the activities and achievements of the institute for the academic year 2019-20.**

### 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 **26 students** (B.Tech-15 ranks, MBA-4 ranks, MCA-2 ranks and B.Pharm-5 ranks) have brought laurels to its name by getting their names apparent amongst **top ten** at the University level including **four gold, two silver** and **two bronze** medals for **session 2019-20**. 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.**

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. 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.

### Intellectual Capital

I am glad to report that currently KIET has 300+ faculty members on its roll. 09 faculty members have completed their Ph.D in A.Y 2019-20.

The institute gets glorified with the research papers written, presented and published by its faculty members in the A.Y 2019-20. **180+ publications** (SCI/SCOPUS) in journals and conference proceedings (National/International) by our faculty members. In addition, total **40 Patents** have been filed/published /granted in the A.Y 2019-20. 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), **10 faculty** recognized for their **outstanding contribution** other than academics & research, **21 staff members** felicitated with '**Star Employee Award**' in the **A.Y 2019-20**. The faculty 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 joiners 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 pleased to share that **five International Conferences** have been organized in A.Y 2019-20. Conduction of such events on regular basis provides an opportunity to our students and faculty to listen, write, present and publish papers on latest developments and trends.

### 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:

- ✚ Student Discipline Policy w.e.f A.Y 2019-20
- ✚ Revision - Scholarship/Incentive Scheme for Students w.e.f. A.Y 2019-20. Merit based Scholarship for Course/Branch Toppers. Scheme to encourage students with highest improvement in academic result.
- ✚ Policy for Research Faculty, KIET Ethics Policy, Guidelines for Organizing International Conferences.
- ✚ Appointment of Controller of Examination & Structure
- ✚ SPACE TECHNOLOGIES - Centre of Excellence(EC)
- ✚ Alumni portal - Developed Member Directory on **kietalmaconnect.com** page
- ✚ Policy - Scholarship support for International Internship
- ✚ IPR Policy & MOOCs Policy for students
- ✚ MoU with Verispire Inc. with an objective to enhance IPR activities @KIET.



- ✚ Constitution of Institutional Fitness Committee
- ✚ Policy- Rationalization of Secondary Duties - Faculty members @ KIET
- ✚ All Department clubs & Centre of excellences (CoE) have been renamed as Institutional clubs & Institutional CoE to encourage participation by all students. Approx. 450+ students (Inter-discipline) are participating in various clubs
- ✚ Faculty & students have undertaken Cambridge English Placement Test (CEPT)
- ✚ English Proficiency Certification for students before commencement of Placement Drive
- ✚ Procured Param Shavak - Super Computer by CDAC. Faculty training held.
- ✚ Environment & Energy Management (EEM) Cell @ Institute level
- ✚ Implementation of Moodle Server in all departments.
- ✚ 22 entrepreneurs visited the campus to deliberate on proposed Common Facility Centre (CFC) @ KIET
- ✚ Research Collaboration with Foreign University - Vaishwik Bharatiya Vaigyanik (VAIBHAV) summit. Approached -14 Universities. Connected with CERN Lab.
- ✚ Soft Skill Training Policy changed to Training Policy (Employability focused) – Aptitude training introduced in-house from Jan'20.
- ✚ KIET - NBA Manual & Software
- ✚ E-Mail Security Guidelines and IT Act for fraud E-mailing
- ✚ Utilization of AKTU Nalanda e-Consortium by students

Above all, **KIET Group of Institutions** has witnessed **paradigm shift @ workplace commitments** that have taken place due to **COVID 19** i.e. **Digital transition in no time and made teaching-learning process viable**. To list a **few measures** that have been **instituted @ KIET** are as follows: -

- Live streaming of classes by 100% faculty.
- Self-shoot videos by 100% faculty, Faculty is now confident of posting video lectures on NDL portal, Swayam Prabha channel, You Tube etc. Large number of faculty has created their You Tube channel.
- More than **3800 lectures** on **KIET You tube Maestro Channel**(<https://www.youtube.com/c/KIETCareerMaestro/videos>)
- Exposure to faculty /students on conduct of **virtual labs** and commencement of **virtual lab club 'TechEdventure'** by students.**13 Virtual Labs /Experiments** have been developed so far.
- Video recordings, course file design on MOODLE, Development/ Uploading of e-content on KIET MOODLE Server.
- Transition from **offline to online mode of conducting examination /assessment** is another attainment. **KIET MOODLE exam system on AWS Cloud**.
- Conduct of doubt clearing /special classes for weak students
- Regular mentoring of students / Redressal of student's grievances, if any - Online

- HoDs meeting with Class Representatives (CRs) - Online
- Team CRPC (i.e. Corporate Relation & Placement Centre) @ KIET carried out **regular placement** activities during these pandemic days and we had **80 Virtual drives** thereby reaching the recruitment of 100 students from all its courses. **250 companies** had visited the Institute for **2020 batch** in this placement season with approximately **1400+ offers** and **highest package** of Rs. **27.40 LPA**. Also, the team had arranged **Virtual Services Selection Board (SSB) Training** for 15 days during this lockdown period for our students.
- Similarly, the **Internship and Industry Partnership Cell (IIPC)**@ KIET carried out **Internship activities** diligently during COVID -19 under a **well-defined framework** of **different Internship modules (online)** that have been offered to the students **(3500+)** covering the **challenging problems**.
- Virtual Conduct of International Conference, Webinars, FDPs including International FDP, Seminars, Training programs, Summer Schools, Human Value Workshop etc.
- Conduct of numerous **Staff Development Programmes** (virtual mode).
- Free access to Coursera given to students, faculty & staff for self-learning. **11000 + Certifications** earned by our faculty/staff/students.
- Adoption of **SOP for Workplace** during COVID Lockdown period.
- Faculty is now well-prepared for **blended mode** of Teaching-Learning process.

### Extracurricular & Co-Curricular Activities

KIET Group of Institutions gives equal importance to curricular, co-curricular and extra-curricular 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. I am delighted to share that our students have won cash prizes worth **Rs. 6.90 lacs+** in the **A.Y 2019-20** through participation in inter-collegiate technical & cultural events at National /International level which is really commendable.

### Notable Achievements by our students

- ✚ Akhil, IT student - Awardee of “**Aegis Graham Bell Award -National Talent Hunt - Phase II 2020**” felicitated at Data Science Congress (DSC) Virtual 2020, the largest event for the tech community in the world of Data Science (6-7 June) by **Dr. Vint Cerf, Father of the Internet**, supported by **AICTE & FICCI**.
- ✚ Akash (2<sup>nd</sup> position) & Anshika (5<sup>th</sup> position) - **Winners to first Lensathon in India 2020**.
- ✚ Mr. Aditya Mohan (ME-3<sup>rd</sup> Yr) bagged 1st position (out of 800 participants) - **All India Independence Day Quiz** organized by Faculty of Law, AMU Aligarh (2020).

- ✚ **KIET - Google DSC Club** (CSE) students completed the Project “COVID-19 Management System – Ghaziabad District” (2020)
- ✚ **6 innovative projects (COVID-19)** submitted by our students have been showcased in the Online Prototypes Inauguration and Rendering Ceremony@ AKTU (2020)
- ✚ Ten students were felicitated under **Talent Incentive Scheme-AKTU** (26 Jul’20)
- ✚ ME student, Rishabh got letter of appreciation for successfully completing online Internship from **G1Ant Robot Ltd., London.**(2020)
- ✚ Recognition to **EI students** towards project Development “**Automatic Calibration of Test Equipment**” by Air Officer Commanding, 13 Base Repair Depot Air Force Palam (2020).
- ✚ Team e-Cell got **1st rank** in the CXO auction in flagship event @ IIT Roorkee (31st Jan’20)
- ✚ Team CONNECT TECH won **2nd prize** on INVICTA a Technical-cultural-design fest at IIITDM, JABALPIR (31st Jan’20)
- ✚ Team Green Plastic won **1st prize** in a Technical-cultural-design fest at IIITDM, JABALPIR (31st Jan’20)
- ✚ Steppers Dance Crew secured **1st position** in Group Dance (24 Jan’20)
- ✚ Team TechArmy of Innogeeks won the **1st prize** in Technovation Hackathon (25-26 Jan’20)
- ✚ Team e-Cell Won prize of **1.5 lacs**, National Entrepreneurship Challenge, IITB (1-2 Jan’20)
- ✚ **AKTU STATE LEVEL SPORTS FEST: Table Tennis 1st (Gold), Chess 1st (Gold), Badminton 3<sup>rd</sup> (Bronze).**
- ✚ ME students team won Rs. 95,000/- in **CII-Skill Will Lead** event (2019).
- ✚ **Team Padmini** of CSE won **third prize** in **Chhatra Vishwakarma Award 2019.**
- ✚ Ashutosh Bidua, **final year (CE)** earned **first position** in **National level Tech Fest** of Construction Industry Development Council @ **(11<sup>th</sup> CIDC Viswakarma Award 2019.**
- ✚ KIET students bagged ‘**GOLD**’ and recognized as **State Champion** in ROBO WAR at AKTU State level Technical Fest at IET, Lucknow. (2019).

## 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, participate 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:

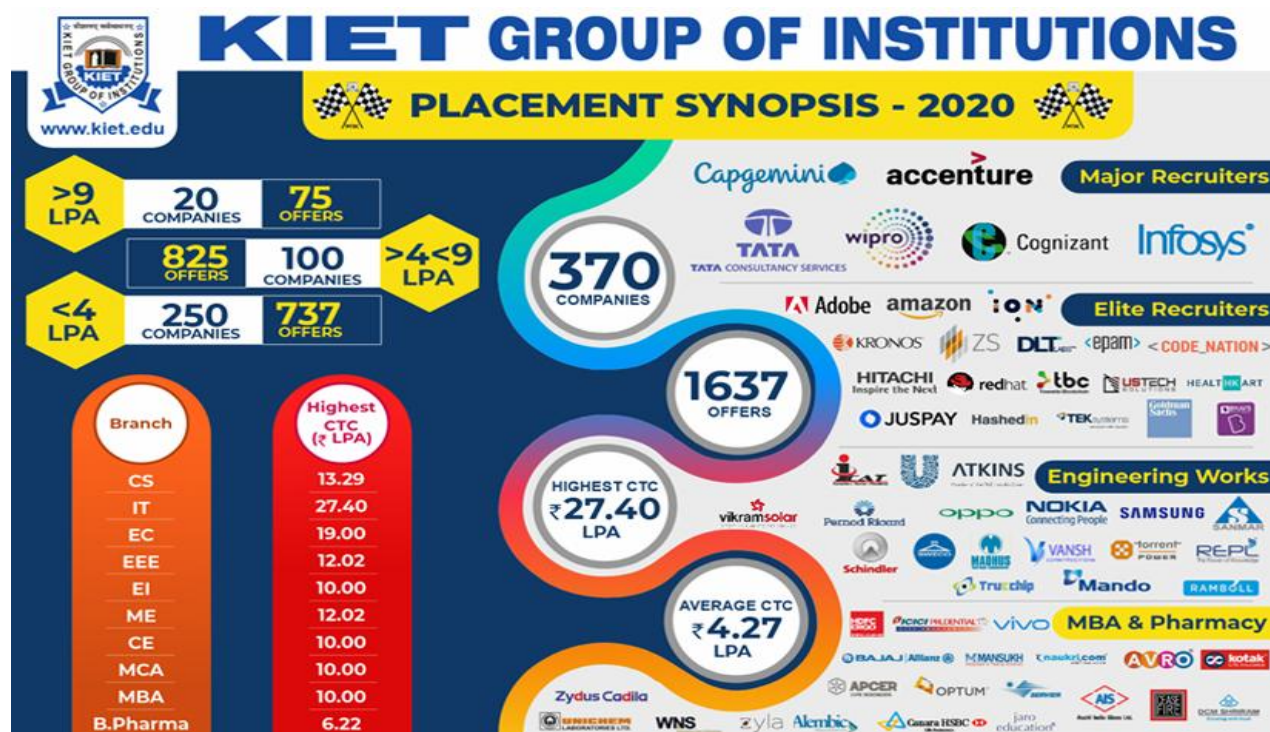
- Design and fabrication of **All Terrain Vehicle** by Team Immortals (BAJA event)
- Design of **Three Wheeled Hybrid Tricycle (eco friendly)** by Team Incredibles (Efficycle event)
- Design & fabrication of **Formula 7 Car** by Team Invincibles (SUPRA event)
- Design & fabrication of **Onion Harvesting 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 2020** 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 are 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.

### DST supported Technology Business Incubator (TBI) -KIET

- The Institute feels proud to announce that **52 Startups** are graduated and presently **29 nos.** Incubatee companies are operational in TBI.
- **1423 nos.** participants have been trained through various types of programme during **2019-20** to promote and expose students to entrepreneurship.

### Significant Achievements of TBI - KIET

- TBI-KIET received a grant of Rs. 19,50,000/- only from Mahindra World City-SEZ under CSR related activities for the F.Y. 2019-20.
- TBI-KIET received a grant of Rs. Rs. 39,60,000/- under NIDHI-EIR Scheme sponsored by Department of Science & Technology, Govt. of India.
- Sanctioned of Rs. 26,60,000/- only for the programme of entrepreneurship by the Department of Science & Technology, Govt. of India for F.Y. 2019-20.
- TBI-KIET is establishing Fab Lab for idea to prototype development under NIDHI-PRAYAS.
- TBI-KIET got recognition status as host Institution for implementation of the scheme “Support for Entrepreneurial and Managerial Development of MSMEs through Incubator.
- 6<sup>th</sup> Edition of Endeavour-Annual E-summit organized during 29<sup>th</sup> February to 1<sup>st</sup> March, 2020. Total Footfall 1200+ from different colleges of PAN India participated in 8 events. The two days E-summit “Endeavour 2020” was sponsored by “Startups In UP” a unique initiative of Govt. of Uttar Pradesh by its Nodal Centre U.P Electronics Corporation Ltd., Lucknow
- Ministry of Electronics & Information Technology, Govt. of India sanctioned TIDE-2.0 scheme to TBI-KIET for Innovative Idea to PoC. In this scheme maximum Rs. 7.00 Lacs for TIDE 2.0 Grants and Rs. 4.00 Lacs for TIDE 2.0 EIR for each innovator. 6 nos. aspirants have been selected by PMC members. Total support Rs. 1.70 crore for 5 years.
- NSTEDB, DST, Govt. India has sanctioned NIDHI-PRAYAS scheme for 2<sup>nd</sup> round on the basis of successful completion of 1<sup>st</sup> round. 1<sup>st</sup> PMC meeting for Round-2 was organized from 7<sup>th</sup> to 12<sup>th</sup> October, 2020 and selected 14 nos. PRAYASEE through online. Total support for 2<sup>nd</sup> round Rs. 1.20 crore.
- NSTEDB, DST, Govt. India has sanctioned NIDHI-EIR scheme for 3<sup>rd</sup> round on the basis of successful completion of 1<sup>st</sup> & 2<sup>nd</sup> round. 1<sup>st</sup> PMC meeting for Round 3<sup>rd</sup> was organized on 3<sup>rd</sup> & 4<sup>th</sup> December, 2020. Total support for 3<sup>rd</sup> round Rs. 39.60 Lacs.
- Ministry of Science & Technology, Govt. of India has approved Rs. 32,48,500/- to propagate, trained and distribution Mask & Sanitizer in Rural area under the Scheme YASH (Year of Awareness on Science & Health).
- Received Grant of Rs. 1,20,00,000/- (Rs. One Crore twenty lacs) only for Round 2<sup>nd</sup> for NIDHI PRAYAS scheme sponsored by DST, Govt. of India, New Delhi.
- Grants received for TIDE 2.0 Scheme under MEITY, Govt. of India of Rs. 34,00,000/-

## 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**. Team Uddesshya & UBA Cell@ KIET carried out awareness programs on rural education, sanitation, COVID-19 - precautionary measures, Social issues - Child labour, health hygiene, Girl education etc. Besides, Stationery distribution Drive (500+ kits, covered 02 villages), Online webinar (3 days) on women empowerment (03 villages covered), Health Awareness Camp at Village Hisali & Saithali on Covid Appropriate Behaviour, Symptoms & prevention, distribution of health supplements & safety gears for Covid-19 (150+ beneficiaries). Also, non-contact thermometers were donated in the primary/ junior schools of five adopted villages in association with Green Shakti Foundation, Noida (NGO), Water source survey @ Basantpur Saithli village recommended by UP Fisheries dept., Meerut, Discussion about Fish farming with villagers of Saithli (Dec'20). <https://www.kiet.edu/UBA%20Activities>

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.**

**“Ensuring quality higher education is one of the most important things we can do for future generations”**