



The Editorial Board

-Beckoning Creati"wit'y



TRESIA

UNIVERSITY'S OWN HARBINGER

"An investment in knowledge pays the best interest."

-Benjamin Franklin



Tête-à-tête

WITH

Mr. Dhanajay Shukla
Wifinity Technology
1984 Batch, C.S.E.

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Message from **The Editorial Board**

“God gave us memories so that we might have roses in December.”

-J.M.Barrie.

The last month of the year is definitely the best time for reflecting on all aspects of life, especially after a year marked not only by uncertainties but also excitement and rejoice.

With the nation undergoing major economic reforms and the bombshell victory of Donald Trump as the President of the United States, we enter the Friday of months i.e. December. As if post-culmination happiness of semesters along with the 3rd foundation day of the University wasn't in the swim that the Malaviyans prepare to rejoice the beginning of a new year and new semester with coveted events like SpellCzar'17 and Republic Day.

With this message and the best of wishes, **The Editorial Board** puts forth the December issue of **Tiresia**.

FROM THE VICE CHANCELLOR'S DESK

It is heartening to know that the Literary Sub Council of Council of Student Activities of the University is continuing with its tradition of monthly news letter of the University - **Tiresia** and the issue of December in academic session 2016-17 is ready for release.

The month of December has its own importance for this University as it was established on December 1, 2013 and the University family celebrates its Anniversary and Foundation Day with lots of enthusiasm in this month. I am happy to place on record my gratitude to all dear students, teachers, officers and staff members of the University and alumni for their cooperation and support without which it would have not been possible to come to this stage. There has been significant strengthening on all fronts namely teaching, human resource, infrastructure, student intake, programmes and creation of an academic framework with complete transparency, quality checks and accountability.

Presently, the odd semester activities of this academic session have been completed and the students will be soon entering into the even semester of this academic session 2016-17. I understand that the efforts put in for realising effective teaching-learning processes with feedback system are being carried with full responsibility and commitment by all concerned in the prescribed framework, and the results of the good quality technical education in the University will be visible in due course of time.

In the last three years of a meaningful functioning as the University, the Institution has tried for successful transformation of the college into University while setting up critical benchmarks for imparting good education and creating a research ambience for holistic development of its students and teachers together. I am happy that the University has released its Annual Report-2016 and presented the complete account of the University activities round the year, which explicitly shows significant improvement as compared to previous years.

I take this opportunity to call upon the students, teachers, officers, and staff for furthering the agenda set by the Institution in respect to quality, commitment, transparency and discipline so as to successfully meet the challenges coming in the way of becoming an important centre of higher technical education.

In the end, I extend my best wishes for happy ending of the year 2016 and advanced greetings for healthy and prosperous new year 2017 ahead to all readers of **Tiresia** and also congratulate the members of **The Editorial Board** for their endeavour to publish the present edition of **Tiresia**.

Jai Hind!

-Prof. Onkar Singh

Tête-à-tête

WITH

Mr. Dhanajay Shukla



Starting his journey from the very first CSE batch of 1984 and paving his way through all odds, our respected alumni, Mr. Dhanajay Shukla has shown the world that nothing is impossible if you are zealous enough for your goal. Having worked for 17 years in the USA in prominent firms like Cisco, BNR /Nortal Networks, AT&T Bell labs, he returned to India and founded his own firm, Wifinity Technology. He has accomplished a lot at a young age. **The Editorial Board** got an opportunity to have an insight of his life.

Q1. How would you describe your life in Malaviya?

We thoroughly enjoyed our time in Malaviya. The years passed in the blink of an eye. Ours was the first C.S.E. batch. The course was not very well laid out and there was not much technological exposure. However, with the zeal to learn and the support of our professors, we learnt many new things.

Q2. How difficult, according to you, is the transition from college life to the corporate world?

The transition is very hard. In the corporate world, there are deadlines and work pressure. You have to be on-toes all the time, focus in a hundred directions and still look presentable and calm. One needs to be multitasking, smart enough to represent oneself and handle the situation efficiently. The perfect blend of work hard and work smart takes you to the epitome of success.

Q3. What do you, being the head of Wifinity Technology, see in an applicant before hiring him/her?

The demand is for someone who has a thorough knowledge of his subject and is willing to learn. If you are good at problem solving and have a positive attitude towards learning new things, then getting a job is no big deal.

Q4. How far, in your view, is it justified for the engineers to go abroad and work there?

I, myself, have worked for 17 years in the USA but I finally came back. So, it is good to go out, learn new things but don't forget to come back and serve the nation.

Q5. How much importance do extra-curricular activities hold in college life?

Besides studies, extra-curricular activities play an important role in your career. Everyone gets a job but how will you grow? How will you become a team leader? To inculcate these qualities in your personality, extracurricular activities are important.

Q6. Would you like to share an incident from your college life that still leaves you nostalgic?

Yes, there are many instances but the one that comes first to my mind is when we all went on a strike and submitted blank copies in the semester exam because no faculty member was appointed for the subject. Though the entire batch flunked but we all cherished the moment when our demands were met. It brought the whole batch together in unison.

Q7. Where do you draw your inspiration from?

I was always self-motivated. I believe in selective absorption of qualities. Take the good and leave the bad. So, I always try to grasp the good qualities of others around me and it keeps me highly motivated.

Q.8. What advice would you give to the students of Malaviya?

Besides studies, you need to involve in a plethora of activities. Getting involved in multiple tasks at the same time gives you an edge over others. They groom your personality immensely. A lot of people have knowledge but only a few are able to harness it in the right direction. So, be confident and you will outshine everyone.

Campus Buzz

- Odd semester major examinations were conducted successfully for various courses of the University.
- **3rd University Foundation Day** was celebrated with great pomp and vigour on December 1, 2016.
- Registration for even semester for the session 2016-17 was conducted successfully on December 14-15, 2016.
- Modes of digital payment are being utilised and comprehensively used in the University to develop it into a “**Cashless Campus**”.
- **MoU** for scientific cooperation is signed between the Italian National Agency for New Technologies, Energy and Sustainable Development **Rome- ITALY** and **MMMUT**.
- A new Communication Lab was inaugurated in the **Applied Science Department**.
- **Campus drive for Prisma Cement** was conducted for **Civil Engineering Department**.



Tech insights



Here are the questions for this month's competition.
Mail your answers to literarydb@mmmut.ac.in

- CHEMICAL ENGINEERING:

A binary liquid mixture of benzene and toluene contains 20 mol% of benzene. At 350K, the vapour pressures of pure benzene and pure toluene are 92 kPa and 35 kPa respectively. The mixture follows Raoult's law. What would be the equilibrium vapour phase mole fraction (rounded off to the second decimal place) of benzene in contact with this liquid mixture at 350 K.

- CIVIL ENGINEERING

A symmetric I-section (with width of each flange is 50mm), thickness of each flange is 10mm, depth of web is 100 mm, and thickness of web is 10mm) of steel is subjected to a shear force of 100 KN. Find the magnitude of the shear stress in (N/mm^2) in the web at its junction with the top flange.

- COMPUTER SCIENCE & ENGINEERING

Consider the following three C functions :

```
[P1] int *g (void)
{ int x = 10;
  return (&x);
}
```

```
[P2] int *g (void)
{ int *px;
  *px = 10;
  return px;
}
```

```
[P3] int *g (void)
{
  int *px;
  px = (int *) malloc (sizeof(int));
  *px = 10;
  return px;
}
```

Which of the above three functions are likely to cause problems with pointers?

- ELECTRICAL ENGINEERING

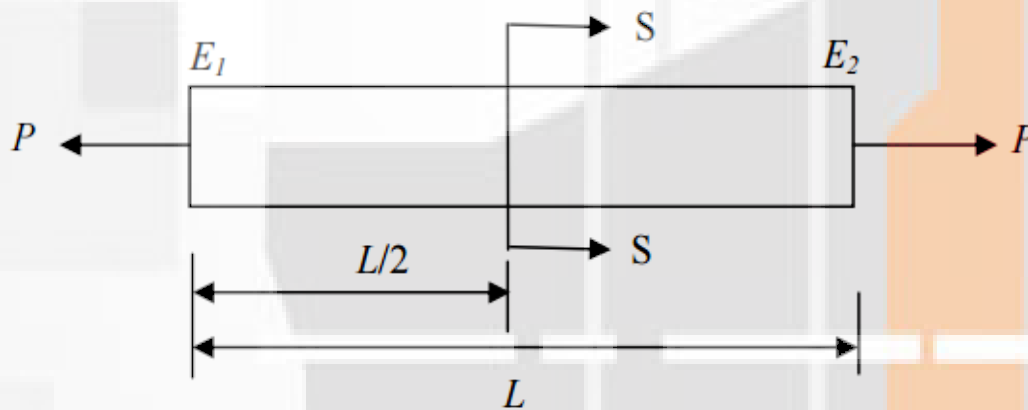
A separately excited DC generator has an armature resistance of 0.1Ω and negligible armature inductance. At rated field current and rated rotor speed, its open-circuit voltage is 200 V. When this generator is operated at half the rated speed, with half the rated field current, an uncharged $1000 \mu\text{F}$ capacitor is suddenly connected across the armature terminals. Assume that the speed remains unchanged during the transient. At what time (in microsecond) after the capacitor is connected will the voltage across it reach 25 V.

- ELECTRONICS & COMMUNICATION ENGINEERING

A superhetrodyne receiver operates in the frequency range of 58 MHz – 68 MHz. The intermediate frequency f_{IF} and local oscillator frequency f_{LO} are chosen such that $f_{\text{IF}} \leq f_{\text{LO}}$. It is required that the image frequencies fall outside the 58 MHz – 68 MHz band. What is the minimum required f_{IF} (in MHz)?

- MECHANICAL ENGINEERING

A rod of length L having uniform cross-sectional area A is subjected to a tensile force P as shown in the figure below. If the Young's modulus of the material varies linearly from E_1 to E_2 along the length of the rod, what will be the normal stress developed at the section-SS?



Winners of last edition:

No satisfactory answers were received from any of the branches.

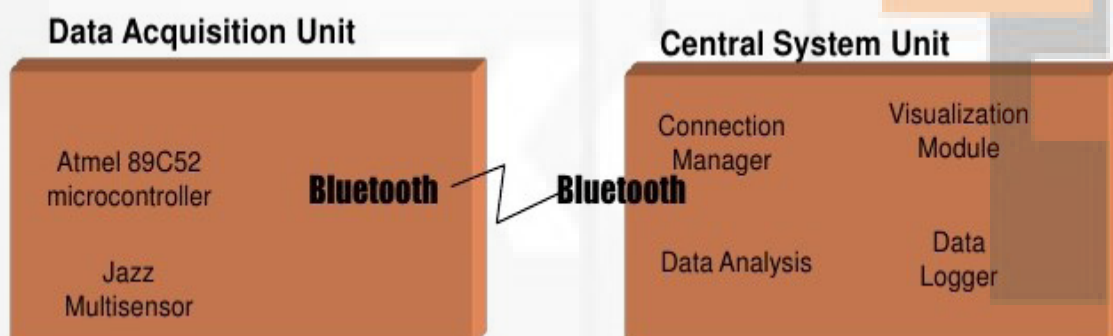
Interacting Computers

Blue Eyes Technology



Imagine yourself in a world where humans interact with computers, and the computers can sense your emotions. It has the ability to assemble information about you and interact with you through special methods like facial recognition, speech recognition, etc. It can even understand your emotions at the touch of the mouse. Human cognition depends primarily on the ability to perceive, construe, and integrate audio-visual and sensory information. The BLUE EYES technology aims at creating computational machines that have perceptual and sensory ability like those of human beings. It uses non-obtrusive sensing method, applying most modern video cameras and microphones to identify the user's actions through the use of imparted sensory abilities.

In the name BLUE EYES, BLUE stands for Bluetooth (which enables wireless communication) and 'eyes movement' enables us to gain a lot of interesting information. Blue Eyes system consists of a mobile measuring device and a central analytical system. The device manages the wireless connection with the help of Bluetooth, personal ID cards and PIN codes that are provided for the proper authentication of the user. The system consists of two main components which are Data Acquisition Unit and Central System Unit. The main task of DAU is to fetch the physiological data from the sensor and send it to the central system to be processed. CSU maintains another side of the Bluetooth connection, buffers incoming sensor data, performs online data analysis records conclusion for further exploration and provides visualisation interface.



Perceiving Emotions by the emotion sensors:

In order to start creating smart computers, the computer must start accessing information about the user. One proposed method for gaining user information through touch is via a computer input device, the mouse. The emotion mouse consists of the installed sensors such as Pressure sensor, GSR sensor, Temperature sensor and Heartbeat sensor. It collects data from the horizontal and vertical components of finger pressure. The measured results: pressure data, heart rate, and self-assessment, are then readily compared against each other as well as against the apparently predicted results to assess the subject's emotional valence for each state. Expression glasses provide a wearable "appliance-based" alternative to the common-purpose machine vision face recognition system. The glasses sense facial muscle movements and use pattern recognition to identify meaningful expressions such as confusion or interest.

Manual and Gaze Input Cascaded (MAGIC) Pointing:

Two specific MAGIC pointing techniques, one conservative and one liberal, were designed, analysed, and implemented with an eye tracker were developed. The user can take control of the cursor by hand near (or on) the target, or ignore it and search for the next target. Operationally, a new object is defined by ample distance (e.g. 120 pixels) from the current cursor position, unless the cursor is in a controlled motion by hand. Since there is a 120-pixel threshold, the cursor will not be warped when the user does regular manipulation such as drawing. Note that this MAGIC pointing technique is different from traditional eye gaze control, where the user uses his eye to point at objects either without a cursor or with a cursor that constantly follows the jittery eye gaze motion. Once the manual input device has been actuated, the cursor is warped to the gaze area reported by the eye tracker. This area should be in the vicinity of the target.

Simple User Interest Tracker (SUITOR):

By observing the Webpage that the netizen is browsing, the SUITOR can help by fetching more information at his desktop. The SUITOR continuously analyses the user that where his eye focuses on the personal computer screen. The SUITOR has the ability in determining the topic of interest of the user and also according to this it is able to deliver the appropriate data to a handheld device.

The Blue Eyes technology is developed because of the demand for a real-time monitoring system for a human operator. The approach is innovative since it helps supervise the operator, not the process, as it is in recently available solutions. We hope the system in its commercial release will help avert potential threats resulting from human errors, such as weariness, oversight, tiredness or temporal indisposition. Researchers are pursuing to add more capabilities to computers that will allow them to interact with humans, recognise human presence, talk, listen, or even guess their feeling.

दोष भी सहायक है!



*निन्दक नियरे राखिये, आँगन कुटी छवाया।
बिन पानी साबुन बिना, निर्मल करे सुहाय।।
-कबीर दास*

ज्ञानी पुरुष किसी व्यक्ति या वस्तु के विरोध या दोष को भी अपने लक्ष्यप्राप्ति में सहायक बना लेते हैं। वे भलीभाँति जानते हैं कि विरोधी गुण को मिश्रित किये बिना सृजन संभव नहीं है। गुण और दोष अलग-अलग करके देखना अज्ञानता है। जिस तरह काला-सफ़ेद, रात्रि-दिन, स्त्री-पुरुष, धूप-छाँव, क्रोध-क्षमा, ये सभी विपरीत गुण वाले होते हुए भी एक-दूसरे के पूरक हैं उसी तरह हमारा निंदक भी हमारा पूरक है। हमारे दोषों को जान लेना ज्ञान है और न जानना अज्ञानता है। ईश्वर को भी संसार के रचना के लिए माया का सहारा लेना पड़ता है।

वर्तमान परिवेश में गौर करें तो व्यक्ति के दोष की जब-जब चर्चा होती है तब व्यक्ति विचलित हो उठता है, उसे लगता है कि जो सब बोल रहे हैं वही वास्तविकता है, शायद इनकी बातें ही सत्य हैं, इसी ख्याल की वजह से व्यक्ति अपने एकमात्र लक्ष्य से भटक जाता है और उसे अपने द्वारा किये गए सारे प्रयास व्यर्थ लगते हैं। यदि मनुष्य उन्ही दोषों पर मंथन करे तो उसे उन्ही दोषों में आशा की किरण दृष्टिगोचर होने लगेगी। यदि जीवन में लक्ष्य की प्राप्ति करनी है तो हमें पदभ्रमित होने से बचना होगा। निरंतर रूप से उस दिशा की ओर प्रयासरत् रहना होगा।

मनुष्य और ईश्वर में अंतर यह है कि संसार में रहते हुए भी जिसकी नित्यता, चैतन्यता और आनंद कुंदित न हो, वह ईश्वर है। गुण-दोष में गुण या दोष देखने के स्थान पर दोनों की उपयोग शक्ति का सदुपयोग करके स्वयं को अलग रखा है। जैसे एक चित्रकार परस्पर विरोधी रंगों के संयोजन से एक सजीव चित्र बना देता है, ठीक वैसे ही ज्ञानी व्यक्ति दोष का इस तरह उपयोग करता है जिससे वो अपने लक्ष्य में अग्रसर हो सके। पदार्थ और व्यक्ति का उपयोग कहाँ करना है, इस विधा को जानने वाला ज्ञानी होता है।

सारांश- दिन अगर पुरुषार्थ की प्रेरणा देता है तो रात्रि विश्राम का संदेश देती है, यदि सूर्य अनाज को पकाता है तो चंद्रमा उसमें मिठास की बीज को बोता है। पुरुष यदि बीज है तो स्त्री पृथ्वी है, आइये हम सभी स्वयं के दोषों से सीखें और जीवन के मार्ग पर उन्नति करें।

University's Annual Report -2016

(1st December 2015 – 30th November 2016)

Presented by Prof.(Dr.) Onkar Singh, Vice Chancellor,
Madan Mohan Malaviya University of Technology
Gorakhpur



I feel honoured to present the third Annual Report of Madan Mohan Malaviya University of Technology as its first Vice Chancellor after completion of three successful years in service to technical education since its establishment on December 1, 2013. On behalf of the University, I wish to extend my gratitude to all distinguished members of the Court, Board of Management, Finance Committee, Academic Council, Examination Committee, Board of Studies of the University, external academicians, industry professionals, alumni, teachers, officers & staff member of University, dear students and media persons for their cooperation and support without which it would have not been possible to come to this stage.

Authorities of the University

Since establishment in December 2013, the University is marching forward as per its development road map with the active involvement of all its authorities. University regularly holds the meetings of all its statutory authorities namely Court, Board of Management, Academic Council and Finance Committee on the matters of their respective domains as prescribed by the University Act. There have been 3 meetings of the Board of Management, 3 meetings of Academic Council, 2 meetings of Finance Committee and 2 meetings of Examination Committee in the last year. Every Department holds regular meetings of Board of Studies and syllabus has been completely updated and revised for meeting the present day requirements. Along with the statutory bodies created as per Act/Statutes, the University has Internal Quality Assurance Cell for ensuring the requisite quality and standard of all academic and related activities, Council of Student Activities for extracurricular activities of students, Council of Hostel Activities for regulating the Hostel issues, EDP cell for electronic data storage & processing, University Grievance Committee & University Women Grievance Redressal Cell, Gender Champions for handling the grievances and creating awareness, University admission committee & Admission Cell, University Space Advisory Committee, Environmental Advisory Committee, Research and Consultancy Management Committee, Industry-Institute Interaction Cell, House Allotment Committee, Campus Development Committee, Academia Industry Cell, Career Guidance Cell etc.

Development Activities

As a part of the University's consolidation phase, the weaknesses of infrastructure and human resource are being gradually overcome. For undertaking the expansion and development of University the State Government sanctioned 21 posts of teachers consisting of 1 Professor, 5 Associate Professor and 15 Assistant Professors, 1 Deputy Registrar, 2 Assistant Registrar and 13 teaching – supporting staff for meeting the increase in intake and starting of new B.Tech. programme of Chemical Engineering. In last one year the appointments of 5 Associate Professors, 17 Assistant Professors, 2 Medical Officers, 1 Workshop Superintendent, 1 P.T.I., 1 Programmer were made successfully. The number of teachers has gone upto 66% as compared to 42% since inception of University. Another round of recruitment on vacant posts of teachers is in progress. The recruitment on vacant class III positions and new sanctioned posts of Officers will be carried out as soon as the State Government approval is available for the same. The academic infrastructure has been strengthened through the availability of 17 new class rooms with audio facilities and 7 class rooms with smart room facilities, 5 air conditioned seminar halls with smart class facility, 6 laboratory halls, 1st floor of Centre of Management Studies building, adequate furniture, removal of obsolescence in laboratories, air-conditioned Reading hall and E-Library section in library.

As part of expansion phase, the University started the new programme of B.Tech. in Chemical Engineering with intake of 60 and thus total no. of B.Tech. programmes have become 6 with intake of 660 in academic session 2016-17 as compared to 330 at the time of setting up of University. Present student strength in 6 B.Tech., 12 M.Tech., M.B.A. and M.C.A. and Ph.D. programmes is 2940 students. Laboratories are being set in the new building of the department of Chemical Engineering for offering B.Tech. in Chemical Engineering (with specialisation in sugar and alcohol technology). Development road map of University envisages for starting of new undergraduate/post graduate programmes in the areas of Pharmacy, Architecture, Hotel Management and Catering Technology, Fashion Technology, Agriculture Engineering, Applied Physics, Applied Mathematics, Applied Chemistry, Food Technology, Bio-Technology, Journalism & Mass Communication, Cyber Security and Industrial Management in future after requisite infrastructure is available for running them.

University has set up the “**Design, Innovation and Incubation Centre**” in a refurbished building space of around 3000sq.ft. with provision of 6 incubates and 08 product developmental activities have already started in it. Centre for Development of Technical Education has been established for helping teachers, staff and students for strengthening technical education. As part of Green Campus initiative of the University a 100 kW roof top type grid interactive power plant has been installed on campus while efforts are being made for setting up of additional 100 KW roof top solar power plant. University has created one new park (Malaviya Udyan), one herbal Garden (Dhanvantari Herbal Garden), one heritage garden (Virasat Vatika) with 36 rare species of plants with the support of INTACH Gorakhpur Chapter.

The financial assistance received under Technical Education Quality Improvement Programme-II (TEQIP) and Rashtriya Uchattar Shiksha Abhiyan (RUSA) till date has been effectively utilized for strengthening the academic processes, extension services and other support systems. Existing campus wide network has been replaced with the

latest state of art Campus wide network, server security system and storage system, Wi-Fi facility and strong internet backbone of University for providing sufficient internet facilities to all stake holders. Library facilities have been enriched with large number of e-journals, e-books and print version of good quality books and the creation of new air-conditioned Reading hall and E-Library section, longer opening hours of library are facilitating the students in their quest for knowledge. One new Language laboratory has been established and number of other laboratories are under active consideration for removal of obsolescence and facility augmentation for meeting the current needs. In view of computers becoming obsolete, 254 new computers have been procured and a new Research Laboratory has been set up in IT Resource Centre. University has partly completed the process of creating its own web portal based University Management System for effective and timely deliveries and nearly paperless working in its campus. The admission counselling, registration, attendance monitoring, feedback system, marks uploading and display, result preparation and display etc. have been completed under ongoing e-governance initiative of the University for bringing in transparency, accountability and sharing of information with all stakeholders to improve the quality of deliveries and make the University systems and all concerned much more responsive and accountable.

Academic Affairs

University has been consistently striving to strengthen teaching-learning processes through effective enforcement of academic regulations, choice based credit system, focus on improving quality of class room and laboratory teaching, attendance of students in classes, complete transparency and objectivity in student evaluation system, and frequent feedback from students during semester, question paper feedback, exit feedback and other feedbacks from different stakeholders. University has started conducting a Common Diagnostic Test for Assessing Interests, Scientific Temperament, Abilities and Choices to capture aspirations, interests, strengths and weaknesses of the admitted students whose outcome is shared with students for their benefits. Admission processes were successfully completed with complete transparency and the academic activities of the session 2016-17 started as per prescribed academic calendar and admissions were granted to 702 in B.Tech. Ist year, 159 in B.Tech. IInd year, 199 in M.Tech. Ist year, 59 in MBA, 60 in MCA and 9 in Ph.D. programmes. I am happy to share that this year again, the number of admission aspirants has increased as compared to the last year 2015. All results were declared as per schedules notified in academic calendar and the first Convocation of University was successfully held on September 11, 2016 in which 236 degrees (58 MBA + 178 M.Tech.) were conferred and 13 medals were distributed. The convocation was presided by Hon'ble Chancellor / The Governor of Uttar Pradesh, Prof. Anil D. Sahasrabudhe, Chairman, All India Council for Technical Education, New Delhi was Chief guest and delivered Convocation Address while Hon'ble State Minister for Technical Education (Independent Charge) Sh. Farid Mehfooz Kidwai was the Special Guest.

All teaching-learning activities being carried out as per the need of program with every department having its own vision and mission for effectively running their programmes under outcome based education with the specific program outcomes with

explicit program educational objectives and course objectives. Complete transparency and strict adherence to time schedule is leading to inculcate the confidence amongst students and strengthen their perception that their efforts shall yield good results to them. Recently, the University has undergone process of accreditation of its 4 B.Tech. programmes from National Board of Accreditation, New Delhi whose outcome is awaited. University has laid down a policy of conducting Academic audit of its academic activities from outside experts which is likely to help in identifying the weaknesses and initiating the necessary measures to further strengthen the academic processes. University regularly organises workshops to improve soft skills of its students through outside experts to mentor students for improving their personality. University is offering German foreign language to its students while efforts are made to look for proper tutor to start French and Spanish language. Departments are taking initiatives for supplementing the class room teaching with experts talk by the professional experts from academia & industry and industrial visits. To promote innovation and creativity in its students, they are mandated to undertake the problems of social/industrial relevance as the projects and dissertations at undergraduate & post graduate level. University supports the innovative ideas of the students through requisite mentoring from faculty members and financial support. Recognizing the need of creating self learning environment the efforts are being made to form the interdisciplinary groups at second year / third year level of UG programme for undertaking creative & innovative projects which may be extended as their Project problems.

Presently University has executed 09 National level and 01 International level Memorandum of Understanding for formal collaborations with industry & academia in which number of B.Tech. and M.Tech. students are working on number of problems. One new sponsored medal for topper of newly started B.Tech. in Chemical Engineering namely Late Sh. Hari Prasad Goenka Memorial Gold Medal has been instituted leading to total sponsored medals becoming 09 in the University.

Research and Development

University has sincere commitment regarding the maintenance of high standard of education and enrichment of quality in its all research and development activities. It has laid down its own plagiarism policy, authorship policy for helping the students and teachers in ensuring the good quality work being carried out in its PG and research programmes. Presently, with 80 regular faculty members, the University has exhibited commendable performance of its faculty members through 423 publications since December 2015 in various peer-reviewed national and international journals, conference proceedings, 8 books, 24 book chapters, 2 patent, etc. The publications include the peer reviewed papers numbering to 156 international journal publications. The Ph.D. programme in the University has also strengthened considerably with setting up of University's own Research cum Teaching Fellowship Scheme. There are 40 fulltime registered doctoral students out of which 03 are the full time teachers under Quality Improvement Programme of MHRD, Govt. of India. Presently 11 sponsored research projects funded by various Government organizations are in progress with a financial outlay of approximately Rs. 130 Lacs in the University. As part of recently executed MOU with Italian National Agency for New Technologies, Energy and Sustainable

Economic Development (ENEA) a three member delegation of University had visited ENEA establishments in Italy for exploring the possibilities of collaborative research and development activities.

Seminar, Conferences and Workshops

University has been actively engaged in the dissemination of knowledge and providing opportunity for sharing of ideas. Since December 2015, the Departments of University had organized 53 number of seminar, conferences, workshops, industry-academia interactions and training programmes for creating a platform for interaction amongst the practicing professionals, academicians and students in relevant area while total 161 number of participations were made by faculty members in such events in last 12 months outside and in University.

Student Activities

On student activity front the University has shown strong commitment towards transforming its students into the holistic professionals with all essential attributes of good human being through various extracurricular activities being organized along with regular teaching – learning activities. Students are given ample opportunities to exhibit their extracurricular skills through large number of events during the academic session. University has 15 number of cells/clubs for keeping the campus vibrant through various student activities under the aegis of Council of Student Activities with the new addition of Marshal Art Club and 13 units of NSS in this year. For encouraging student participation in various activities, the award of General Proficiency marks has been made objective and transparent along with the instituting deterrent criteria for any disregard to National festivals by the students. The students earn their General Proficiency marks through their participation in various extra-curricular and related activities at the Department and University level while maintaining proper conduct. The Council of Student Activities has been allocated new office space and with the appointment of regular PTI the sports & games activities are picking up well. University has Talent Incentive Scheme for encouraging meritorious students through scholarships and part funding of their registration/participation in seminar/conferences in India and abroad. In view of the innovation driven economy of the world, special thrust is laid on nurturing the innovating minds of the students through University level Innovation Cell and Innovation Clubs in each department. The University has organized number of student's cultural and technical activities/festival in both the semesters under the aegis of different Department level societies, student chapter of IEEE and SAE. Various annual activities such as Techno-cultural festivals, all India competitive event on Innovations, Annual Sports, Literary events, Cultural night, National level Kabaddi Tournaments etc. were organized like previous years in which there had been good participation of students from outside Institutions. University students are allowed to participate in national level sports/festivals being organized in different outside premier institutions. The University has instituted University Outstanding Student Medal, University Excellence Award for Leadership in Student Affairs, University Excellence Award in Art and Culture Activities, University Excellence Award in Community Services in this year.

Alumni Activities

Alumni activities of the University are being held with sufficient rigour so as to make them much more meaningful. Two alumni reunions consisting of '1975 batch reunion' and 'Annual Alumni Meet-2016' have been successfully organized in last 12 months in which more than 200 alumni participated. The Malaviya Alumni Association is being extended requisite support for making it much more meaningful and to strengthen the relationship between University and alumni. A building named 'Alumni Bhawan' with covered area of around 1500sqft for housing its full time office on campus has been set up and is functional with offices of President & Secretary of Malaviya Alumni Association and University's Dean responsible for Alumni Affairs.

The role of alumni in the development of University departments is ascertained through the effective functioning of 'Department Advisory Groups' under the chairmanship of senior alumni and few alumni members for seeking their continuous support in strategic development of the respective departments. The functional structure of the University seeks regular feedback from alumni while planning the academic systems, processes and other strategic decisions. University widely propagates its strong commitment in seeking the support of alumni through their meaningful interactions, expert talks, industry interventions etc. for the benefit of graduating students.

Infrastructure addition and upgradation

Construction activities are going on in full swing for augmenting the infrastructure of University with the grant from U.P. Government and savings of the University. The construction projects completed in last one year include 13 class room complex, new building of Chemical engineering department, boys hostel of 240 capacity, girls hostel of 75 capacity, expansion of V.C. Office and V.C. Camp Office, 1st floor of Centre of Management Studies building, new portico and a conference hall, new offices for Academic Section / Student Affairs / Dean Student Affairs / Dean Undergraduate Studies and Entrepreneurship / Dean Post graduate studies and Research & Development, air conditioned E- Library and Current Journal section, 5 laboratory halls, campus roads some of which will be inaugurated today. Thus, in addition to above, since inception of the University in December 2013 there has been addition of 07 class rooms, 6 seminar halls, 5 laboratory halls, refurbishment of multi purpose hall, air conditioned reading hall, boys hostel of 120 capacity while new boys hostels of 720 capacity, auditorium of 2000 capacity, 01 laboratory hall, air-conditioning of Multipurpose Hall and new boundary wall of campus are under progress.

For meeting the other requirements, the University has undertaken the construction of extension of University Health Centre, University Cafeteria, New garage for buses, creation of two virtual classrooms, additional 100 kW rooftop solar power plant, biometric attendance system in left out hostels along with various other essential activities from its own savings under different heads in this year which will be completed in due course of time.

Training and Placements

University is striving hard for rolling out fully trained and industry-ready technical professionals through its teaching-learning and extracurricular activities. Training and placement cell has been persevering to enrich the students with essential ingredie-

ents in their personality through training sessions for effective communication, etiquettes and behaviour apart from academic inputs from different departments. Around 67% of eligible students were placed in different companies from campus placement in passing out batch of 2015-16, while with the University's increased emphasis on placement initiatives, around 40% of eligible students from the current final year batch of 2016-17 have been placed till now in 04 number of organizations through on campus placement while many more organizations are scheduled to hold the campus placement interviews in the near future in this academic session.

Extension Activities and Societal Outreach

University realises its responsibility towards the society as a technological University and has initiated various extension activities for helping the community at large. The faculty members and students of University are involved in community service and social outreach programmes in campus and outside in a village adopted by the University. Students of the University actively contribute in the societal issues through their forum named Social Engineering Board. One entrepreneurship development activity for making LED bulbs and other solar lights, regular children education programme, sensitization for environment, health & hygiene, awareness camp for class11-12 students for computer usage etc. were organized in last 12 months.

At the end, I feel pride in sharing that this Institution with 3 years age since its rebirth on 1st December 2013 as non-affiliating technological University, has successfully marched forward for making significant contributions in imparting good quality technical education with high standards. I am happy to state that in external review made by Performance Auditor under Technical Education Quality Improvement Programme – II, the University has been evaluated to be performing well on almost all accounts. Thus, inspite of inheriting lot of adversities from erstwhile engineering college, the University has been able to create its little imprint in technical education of the country through its strong commitment for embedding all of its activities with honesty, time bound deliveries, complete transparency, high quality standards, zero tolerance for indiscipline and high integrity with holistic considerations of implications of its all operations on society through up

FINAL YEAR MEMBERS

Abhishek Singh
 Abhishek Yadav
 Ankita Jaiswal
 Antra Saxena
 Deeksha Sharma
 Dhawal N. Asthana
 Lisha
 Prerna Arya
 Ravikant
 Ritvik Verma
 Shubham Chand
 Siddharth Sagar
 Srijan
 Vishal Tiwari

coming technical professionals. All teachers, staff members and students deserve appreciation for their wholehearted involvement in completing three successful years as technological University.

With the setting, up of strong value based foundation of this Institution in last three years, I am confident that the strong commitment of the University family to provide suitable ecosystem for overall development of creative minds of young technical students for making exemplary contributions in overcoming the challenges faced in the sustainable development of civilization will help the humanity in meaningful way.

Lastly, I am deeply obliged to you all for sparing your valuable time for gracious presence in this lush green campus and patient hearing and most humbly look forward for all possible tangible and intangible support in strengthening this technological University.

Jai Hind !

THIRD YEAR MEMBERS

Abhijeet Singh
 Abhilasha Gupta
 Divyany Pandey
 Harsh Vardhan Tripathi
 Hemant Singh
 Himani Raj
 Ishita Shahi
 Rajan Kumar Soni
 Rajat Srivastava
 Shivangi Srivastava
 Shrishti Verma
 Shwetank Srivastava
 Srijan Singh

‘How To?’

How to See Your Android Notifications in Windows 10 Desktop:



Android and Windows are developed by two rival companies, making it seem like they would not play well with each other. However, with Microsoft looking to extend their reach to the mobile world, they have released several useful Android apps with the hope of luring Android users to their platform. One of them is **Cortana**, which in addition to being a personal assistant on your phone can also display your Android notifications in Windows 10. Let's check it out.

🔔 Download and install Cortana- To get started you need to first install Cortana on your Android phone. If you are in the US, you can install the Cortana app from the Play Store. You will have to download the apk file from ApkMirror and install it in your Android phone manually. Do note that you have to enable **“Install from unknown source”** in your Android phone in order to install the apk file.

🔔 Getting started- Once you have installed Cortana, open it in your Android phone. On the first run it will inform you that Cortana will collect user data and require a Microsoft account in order for it to work. Tap on the **“Microsoft Account”** button to move forward.

🔔 The next step is to sign in to your Microsoft account.

🔔 Do note that your Windows 10 PC should also be using the same Microsoft account for the notifications to work.

🔔 Once you are in the main page, tap the **“Hamburger”** icon to open the menu and go to **“Settings”**.

🔔 Access the **“Sync Notifications”** settings.

🔔 In this screen you can select which notifications you want to receive on your Desktop. You can enable notifications for Missed call, Incoming message, Low battery and notifications from specific apps.

🔔 Accessing Android's notifications in Windows 10- Once you have properly configured Cortana in your Android phone, all you need to do is enable Cortana in your Windows 10 PC. In the Anniversary Update Cortana should be activated by default. Now when you receive a notification in your phone it should appear in the Action Center.

SECOND YEAR MEMBERS

Aaruni Khare
 Abhishek Verma
 Anurag Dhar Dubey
 Archish Jaiswal
 Arushi
 Krati Tiwari
 Manisha Mishra
 Narendra Mishra
 Pragya Pandey
 Shreya Mishra
 Shreyansh Srivastava
 Shubham Pathak
 Somiya Bhandari
 Tanmay Kumar