The Editorial Board

-Beckoning Creati"wit'y

presents
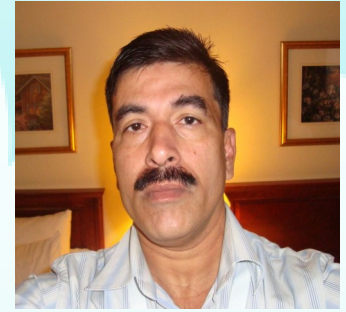
TIRESIA

Colours of Malaviya

"Hard work beats talent when talent doesn't work hard."

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Tete-a-Tete

with

**Mr. Akhilesh Kumar Dixit
AGM (PGCIL)**

Message from The Editorial Board

"What good is the warmth of summer, without the cold of winter to give it the sweetness?"

With winter in vestibule, the Malaviyans gird up their loins, as they stride towards the end of the odd semester with formidable panache.

Last month witnessed rousing events like INNOWIZION and the much awaited techno-carnival techSRIJAN'15, showcasing the idiosyncratic talents of the University. The palpitating young hearts of the adrenaline fuelled Malaviyans celebrated ARUNODAY, augmenting the self-credence of the freshmen.

The fog is rising, wrapping the world in the mystic white, indicating a fresh start. It's the time when snow covers the trees and fields, like nature snugging them in the white quilt and whispering, "Go to sleep, till the summer comes again."

Publishing this edition of **Tiresia** with uncommon élan, The Editorial Board embraces the visit of winters and wishes luck to all the Malaviyans polishing their Midas touch.

FROM VICE CHANCELLOR'S DESK

I am delighted to note that the Literary Sub Council of Council of Student Activities of the University is successfully releasing the third issue of University's monthly newsletter titled **Tiresia** for academic session 2015-16 in November 2015. This is the last month of odd semester in academic session 2015-16 and the teaching-learning activities are carried forward for timely completion of prescribed syllabus. The whole hearted involvement of teaching fraternity and students is really helping in overall improvement of academic activities in the University.

It is also worth noting that at the end of this month the University will be completing two years of its meaningful existence in service of technical education and the 2nd Anniversary and Foundation day will be celebrated with full zeal and enthusiasm on 1st December, 2015. It is high time for all stakeholders to make assessment of the achievements and initiatives taken by this youngest technological University of state of Uttar Pradesh and also identify future growth opportunities.

Through this newsletter, I wish to reiterate the mission of University to create every student in its campus as a holistic professional and good human being. The proactive participation of students in all academic activities and extracurricular activities for their own development will significantly help in achieving the goals set by us.

At the end of this brief message, I extend my best wishes to all readers and congratulate the members of **The Editorial Board** for this edition.

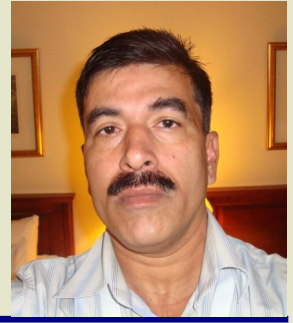Jai Hind.

Prof. Onkar Singh

FROM CHIEF EDITOR'S PEN

I feel extremely delighted to share with the readers, the release of the third issue of the monthly newsletter, **Tiresia,** in November 2015, at our university portal in the shade of a young, experienced, dynamic, visionary and scholarly Vice Chancellor Prof. Onkar Singh**. Tiresia**, the monthly newsletter of the University, unlike playing the role of a sheer spectator and reporter, speaks the language of the University, connecting the stake holders, communicating with them and inviting them to be an inseparable part of the University. It tries to establish a close bond between the old scholars and the new learners by offering them to share their experiences, provide their invaluable suggestions and extend their support in making and escalating the University to an echelon where from, perforce, each and every one reflects and gravitates the world to its reputation.

Dr. Arjun Dubey

Tête-à-Tête

With

Akhilesh Kumar Dixit

Mr. Akhilesh Kumar Dixit of 1992 batch, was a student of Electrical Engineering in MMMEC. After completing his B.E., he got selected in NTPC but he later joined the Power Grid Corporation of India Limited in 1993 as an Engineering Executive Trainee. While working there for almost four years, he was appointed as the Senior Engineer in 1997. Through his hard work and dedication towards the firm, he got promoted to Deputy Manager in the year 2000. In the year 2003, he was further promoted as Manager and later in 2008 as the Chief Manager. In September 2014, he was appointed as the Assistant General Manager. The Editorial Board got an opportunity to interview him.

Q1: Sir, please describe your life post Malaviya.

Life post Malaviya has been eventful, rewarding and satisfying. I was selected in NTPC immediately after graduation, although at the time of joining, I opted for Power Grid Corporation of India Limited. I presently working at Regional and Corporate Office. I got married in 1997 and was blessed with two loving daughters.

Q2: How would you describe your college life?

Back in our days, being a Malaviyan was seen as an achievement and people around us felt the same. College did not have much campus placement, which made students focus on GATE, UPSC, State level and PSU exams. A healthy number of sports and cultural events were conducted. However, the male-female ratio was very skewed and hence most events were male dominated.
Being a Day Scholar had its own challenges, but being the president of Day Scholar's Club, I strived to bring more facilities to the club. It was an unforgettable experience.

Q3: What is your success secret?

I don't consider my story very successful. However, whatever little I have achieved, I owe to my parents. I consider myself lucky to be been born in an era that required struggle, in which one had to work hard to achieve anything and that shaped me as a tough and down to earth person.

Q4: What are your views on the current state of the Malaviyan Alumni Association?

I think Alumni Association is doing a great job in bringing new and old students together. I am a lifetime member of the NCR Alumni Association. It also gives our families an opportunity to know each other and feel as a part of the college (now university). Every student, after completing the course, should remain connected to his or her alma mater and Alumni Association provides a good platform for it.

Q5: What message would you like to convey to the budding engineers of the Malaviya?

I would like to see the students realize their full potential. They must work hard on their literary skills and acquire technical skills. Students need to look beyond average placements, and be truthful to nation and themselves. I think students should not settle for life without making any meaningful contribution to the country and the society.

Campus Buzz

- **The Editorial Board** under supervision of Council of Student Activities (**CSA**) conducted a speech competition on **"Gandhi Vichar Darshan"** which was held on the occasion of International Non-Violence Day on October 2, 2015.

- University's annual techno-management festival, **techSRIJAN'15** was organised from October 3, 2015 to October 5, 2015 by IEEE student branch and SAE collegiate club. Android Application development and Civil Simplified workshops were held during **techSRIJAN'15**.

- Malaviyan Alumni Association felicitated the 1990 batch in the Alumni Convention 2015 held on **October 3** and **October 4, 2015**.

- Inter-branch softball cricket tournament was held from October 7, 2015 to October 12, 2015. 3rd year Mechanical Engineering students won the tournament.

- New faculty members were recruited in Civil Engineering Department – Assist. Prof. Mrs. Sneha Gupta and Assist. Prof. Mr. Vinay Kumar Singh.

- **Tata Consultancy Services** visited the campus on **22, 23** and **24 September, 2015**. 82 students were successfully placed.

- **Webkul** visited the campus on **10** and **11 October, 2015**. 2 students were successfully placed.

- **Wipro** visited the campus on **18** and **19 October, 2015**. 26 students were successfully placed.

- **The Editorial Board** conducted an awareness seminar on October 28, 2015 on the occasion on Anti-corruption week. Mr. P.N. Rai, SDGM, N.E. Railway, Gorakhpur, was invited as chief guest.

- **The Editorial Board** successfully conducted **ARUNODAY** on **November 1, 2015** for first year students. Hon'ble Vice Chancellor was present to witness the event.

- Innovation Cell conducted **INNOWIZION** on October 31, 2015 and November 1, 2015.

TECHinSIGHTS

Here is the set of questions for this month's competition.
Mail the answers at literaryedb@mmmut.ac.in

CIVIL ENGINEERING

The x and y components in a three dimensional flow are given by

$$u = x^2 + z^2$$

$$v = y^2 + z^2$$

Find the simplest z-component of velocity that satisfies the continuity equation.

COMPUTER SCIENCE AND ENGINEERING

```
class Test1
{
    public int value;
    public int hashCode() { return 42; }
}
class Test2
{
    public int value;
    public int hashCode() { return (int)(value^5); }
}
```

which statement is true and why?
A.class Test1 will not compile.
B.The Test1 hashCode() method is more efficient than the Test2 hashCode()method.
C.The Test1 hashCode() method is less efficient than the Test2 hashCode()method.
D.class Test2 will not compile.

ELECTRICAL ENGNEERING

The efficiency of rectification η_r is defined as the ratio of the DC output power

$P_{dc} = V_{dc} . I_{dc}$ to input power $\frac{1}{2\pi} \int_0^{2\pi} v_i \, i \, da$

Find the efficiency of rectification η_r for full wave rectifier circuit.

ELECTRONICS AND COMMUNICATION ENGINEERING

Implement the function
f(A,B,C,D)=∑(0,1,5,7,10,14,15)
using a 4x1 multiplexer.

MECHANICAL ENGINEERING

Derive expressions for $\Delta u, \Delta h$ and Δs for a gas that obeys the Van Der Waal's equation of state for an isothermal process.

*Winners of last edition :

ECE: Saurabh Maheshwari, Final Year.

ME: Anil Prabhakar, Second Year.

CSE: Shailendra Singh, Third Year.

No satisfactory answers from CE and EE were received.

Digital India

In order to create a participative, transparent and responsive government, Prime Minister Narendra Modi launched the much ambitious 'Digital India' programme on July 1, 2015 at the Indira Gandhi Indoor Stadium in the national capital. Even though India is known as a software powerhouse, the availability of electronic government services to citizens is still comparatively low. The National e-Governance Plan, approved in 2006 has made a steady progress through Mission Mode Projects and Core ICT Infrastructure, but greater thrust is required to ensure effective progress in electronics manufacturing and e-Governance in the country. The Digital India vision provides the intensified impetus for further momentum and progress for this initiative, and this would promote inclusive growth that covers electronic services, products, devices, manufacturing and job opportunities. India in the 21st Century must strive to meet the aspirations of its citizens, where the government and its services reach the doorsteps of citizens and contribute towards a long-lasting positive impact. The Digital India Programme aims to transform India into a digitally empowered society and knowledge economy by leveraging IT as a growth engine of new India.
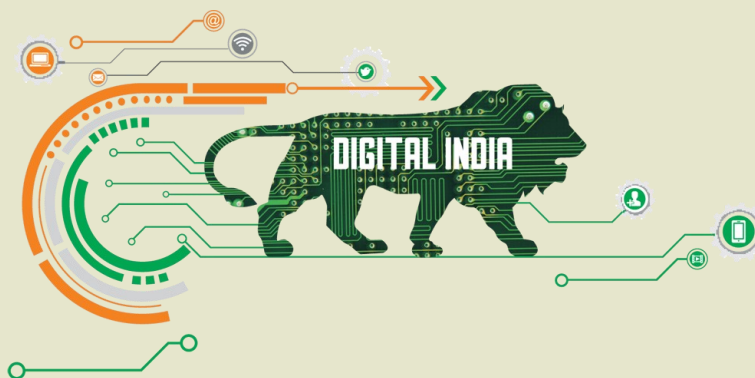
Key components of the Programme Management structure would be a **Cabinet Committee on Economic Affairs** (CCEA) for programme level policy decisions and a **Monitoring Committee on Digital India** under the chairpersonship of Prime Minister. Government also launched a digital locker "Digi Locker" which aims to minimize the usage of physical documents and enable sharing of e-documents across agencies. MyGov.in has been implemented as an innovative platform to build a partnership between citizen and government. Swachh Bharat Mission (SBM) mobile app would be used by people and government organizations for achieving the goals of Swachh Bharat Mission. eSign framework would allow citizens to digitally sign a document online using Aadhaar authentication. Tech Giants from Sillicon Vallley, San Jose, California expressed their support for Digital India during PM Narendra Modi's visit in September 2015.

"Digitisation is the Mona Lisa of the analog world."

Facebook's CEO, Mark Zuckerberg changed his profile picture in support of Digital India and started a chain on Facebook and promised to work on Wi-Fi Hotspots in rural India. Google committed to provide broadband connectivity on 500 railway stations in India. Microsoft agreed to provide broadband connectivity to 5 lakh villages in India and make India its cloud hub through Indian data centers. Qualcomm announced an investment of $150 million in Indian startups.

Lack of legal framework, absence of privacy and data protection laws, civil liberties' abuse possibilities, lack of parliamen-

tary oversight for e-surveillance in India, insecure Indian cyberspace, etc. can be the major hurdles in the path to Digital India. These shortcomings need to be solved before hand. Till November, 2015 Digital India project will be in progress mode after which, we will be living in a Digital India of our dreams.

techSRIJAN 2015

The most awaited, the most exhilarating, the annual techno-management fest of Madan Mohan Malaviya University of Technology, **'techSRIJAN'15'**, organized in the month of October. October 3, 2015 to October 5, 2015 witnessed a plethora of techno-management events. The students of the university along with students from different engineering colleges showed immense participation unshackling their technical sagacity.

The university campus was emanated with the light of happiness and enthusiasm as our venerable alumni congregated here to witness the Alumni Meet, which was held on October 3, 2015 and October 4, 2015. The 1990 batch alumni reunited after many years and went down the memory lane remembering their old days. The students also worked with heart and soul to make the meet a remarkable one. The evening was checked with the thrilling performances by the students which included the singing, dancing and skits. The alumni undulated along the rhythm of the music as the students showed their talents. The students also got a chance to see the alumni perform on stage and share some sweet and sour moments of their college life.

There was a spectrum of astounding events in the three days' techno-carnival. In the grand event of wired, wireless robotics 'roboKRITI', the budding engineers made robots doing specific tasks. The newly added 'roboTHON' was a total surprise for everyone. Events like 'venTURA' and 'bizGYAN' tested the management and business aptitude of students. 'JunkYARD WARS' was a tough challenge for the participants where they got a chance to show their mechanical skills. 'techPRASTUTI' and 'manTHAN' showcased the presentation skills of the students. Events like 'softRACHNA' and 'codZILLA' tested the coding skills of students. The treasure hunt 'labyRINTH' was full of fun and thrill.

Junkyard Wars

STUDENT MEMBERS

THIRD YEAR

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

Apart from all these events, workshops on 'Ethical Hacking', 'Android App Development' and 'Civil Simplified' were also organized, giving students an opportunity to learn from the experts. Some informal events were also conducted that added fun and joy to the event.

The event provided a huge platform to showcase the innovative skills and talents with a competitive spirit. The winners were encouraged with cash prizes for all the events. The event turned out to be a mammoth success.

The 1990 Batch

STUDENT MEMBERS

SECOND YEAR

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

हमारी मातृभाषा : हिंदी

सभ्यता के विकास के क्रम में बोली, भाषा, लिपि, वेश-भूषा से सामाजिक संरचना का निर्माण होता है जिसे समग्र रूप से संस्कृति कहा जाता है इनमें भाषा का इतना महत्वपूर्ण स्थान है कि आदि-भाषा संस्कृत से ही 'संस्कृति' शब्द बना। भाषा ही तहज़ीब का विकास करती है, यह एकता का आधार है और अस्तित्व का प्रतिबिंब भी। भाषा कोई भी हो वह अपने लोगों के बीच दुलारी, सजाई और सँवारी जाती है। कभी अल्हण मदहोश हो लोगों के होठों पर तिरती है तो कभी किसी लेखक के हाथों से संवेदना एवं विचारों का संप्रेषण करती है, कहीं किसी की पीड़ा अभिव्यक्ति का माध्यम बनती है तो कभी किसी व्यथित के मन का गुबार। जन से जन को और मन से मन को जोड़ने वाली भाषा ही है। भारत विभिन्न प्रकार की विविधताओं से भरा राष्ट्र है और यही विविधता भाषाओं के स्तर भी दिखाई देती है। कुल तीन हजार से ज्यादा बोली/भाषा भारत में प्रचलित है जिसमें राजभाषा हिंदी सबसे बड़ी जनसंख्या द्वारा बोली व समझी जाती है। हिंदी भाषा का विकास भी हमारी संस्कृति के विकास के साथ-साथ ही हुआ| यह आदि भाषा संस्कृत से पाली, प्राकृत, पुरानी हिंदी, अवधी, ब्रज से होते हुए आज खड़ी बोली हिंदी के रूप में मानकीकृत हुई है। हिंदी को सिद्ध-नाथों ने रोपा, सूफियों, अमीर खुसरो, चंदवरदाई, जायसी ने प्रकाश-खाद दिया, तुलसीदास, सूरदास, कबीरदास ने भक्ति से सींचा और महादेवी, निराला, प्रसाद, पंत, अज्ञेय, मोहन राकेश पाल-पोष कर यहाँ तक ले आए। अब आगे का भार हमारे अपने कंधों पर है|

अक्सर लोग हिंदी भाषा को डरावने रूप में प्रस्तुत करते हैं। वे कुछ शब्दों जैसे ट्रेन, स्टेशन आदि की हिंदी पूछकर हिंदी को भयाक्रांत करते हैं जबकि हिंदी शुरू से ही एक सामासिक भाषा रही है, इसने तुर्की, फ़ारसी, अंग्रेजी के शब्दों को अपने में समा लिया है एवं बड़ी सहजता से इन्हें अपना बना लिया है और यही इस भाषा की प्रमुख विशेषता है। आज भारत की कई अन्य भाषाओं की तरह ही राजभाषा भी अपने अस्तित्व को बचाने के लिए संघर्ष कर रही है। इसका एक प्रमुख कारण हमारे ऊपर उपनिवेशी मानसिकता का हावी होना है।

अंग्रेजी भाषा हमें ब्रिटिश शासन से उत्तराधिकार में मिली है और हम आज तक आधिकारिक रूप से उसी का प्रयोग कर रहे हैं। इसी औपनिवेशिक मानसिकता से ग्रस्त होकर हमने अपनी भाषा पर ध्यान नहीं दिया और अफसोस यह है कि अपनी मातृभाषा के संरक्षण पर लेख लिखने की आवश्यकता पड़ रही है।

हिंदी की वर्तमान स्थिति पर क्षोभ करके दोषारोपण के कार्य में उलझना वर्तमान की आवश्यकता नहीं है जबकि आज आवश्यकता है भविष्य के राष्ट्र निर्माताओं- युवाओं के आह्वाहन की कि वे आगे आएँ और इस मानसिकता परिवर्तन की प्रक्रिया को गति दें। इसके लिए किसी आन्दोलन की आवश्यकता नहीं है बल्कि अपनी नित्य कार्य प्रणाली के अंतर्गत ही लोगों को औपनिवेशिक मानसिकता से बाहर निकालने का प्रयत्न किया जा सकता है। सभी से यही उम्मीद है कि अपनी मातृभाषा के उपयोग में शर्म महसूस न करें, और ज्यादा से ज्यादा इसका प्रयोग करें। अपनी मातृभाषा को दुलारें सजाएँ, सँवारे और आगे ले जाएँ।

"आइए कुछ अच्छा करते हैं, राष्ट्र निर्माण में सहयोग करते है।"