



TIREZIA

Colors of Malawiya



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THE INSPIRING LUMINARY



MAHAMANA PT. MADAN MOHAN MALAVIYA

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Message from The Editorial Board

*“Glory lies in the attempt to reach one’s goal
and not in reaching it!”*

At the very outset, we all welcome the Malaviyans after a short and refreshing Mid-Semester Break. With the beautiful and salubrious winter knocking at the doorsteps, this semester heads towards its most important phase. The rejuvenated Malaviyans are working day in and day out and are all set to prove their mettle in the upcoming events.

On this sanguine note, **The Editorial Board** brings forth this issue of **Tiresia**, expecting an impeccable organization of mega events like 'techSRIJAN' and 'Alumni Meet'.

FROM VICE CHANCELLOR’S DESK

I am pleased to note that the sixth issue of University’s monthly newsletter titled **Tiresia** is being released in Oct. 2014 by the Student Activity Centre of the University. This issue of the newsletter shall include the updates and information regarding the initiatives taken for positive change in the transformation of erstwhile M.M.M. Engineering College into M.M.M. University of Technology as the first residential technological University of Uttar Pradesh. Since the University is reconstitution of M.M.M. Engineering College so it has inherited a legacy of Malaviyans since 1962.

I understand that this emergence of the University would have not been possible without the goodwill, remarkable professional service to the society, accomplishments, support and brand created by the past students, teachers and staff members apart from various other reasons.

I am confident that such monthly newsletters will act as a reporter for the tale of University activities and achievements on academic fronts and other endeavors in providing quality technical education & enhancing the employability and placement activities of the students, accomplishments of the teachers and staff members on monthly basis. Such newsletters should not only be informative in nature but also be persuasive in focusing on displaying the multifarious activities of curricular and extra-curricular nature, the awards and achievements of the students, teachers and staff, the training services and the career being offered to the students and the alumni interaction.

I extend my best wishes to all the members of **The Editorial Board** and believe that this newsletter shall act as potential communication link amongst all stakeholders inside and outside the University for dissemination of information about good practices and seeking feedback for improving the academic environment of the University for achieving the excellence in technical education.

Prof. Onkar Singh

FROM CHIEF EDITOR'S PEN

I feel extremely delighted to share with the readers release of the third issue of monthly news letter in Oct 2014, at our university portal in the shade of a young, experienced, dynamic, visionary and scholarly vice-chancellor Prof. Onkar Singh. Of course, we have been bringing out the same under the aegis of erstwhile M.M.M. Engineering College, Gorakhpur dating back to April 2010, yet the speciality of the present issue is that it, besides providing the readers with the details of information and activities of in and around the university, speaks a volume about the destiny of the university. The student members of **The Editorial Board** deserve appreciation in carrying on “the old order changeth yielding place to new” with doubly increased energy and enthusiasm.

Dr. Arjun Dubey

Tête-à-tête

with

Er. Mukul Sharma



Er. Mukul Sharma, an illustrious personality from the Computer Science and Engineering batch of 1989, is an alumnus of Madan Mohan Malaviya University of Technology who pursued his MBA from university of Chicago. He had a great working experience at Capgemini and Apar Infotech and is presently a consultant at TATA Consultancy Services. An epitome of sincerity and hardwork, he is truly a paragon for everyone. The Editorial Board had the privilege to interview him. Here is an excerpt from what he had to say:

Q1: How would you describe your life post Malaviya?

It has been 25 years since I graduated from Malaviya. During this time, life has taken me to many venues – schools, companies and countries. It has offered a fair share of challenges and rewards. I will be honest in saying that the education that started at MMMEC in 1985 has not stopped ever since; with challenges providing the best learning opportunities whether it was navigating through technical, functional and management roles or getting higher education at JNU or University of Chicago or settling in new locales like Delhi, Kanpur, San Francisco, Michigan and Chicago.

Q2: How do you think will the university status benefit our college and what are the challenges to it?

The biggest advantage of following the regime of an independent University is the freedom to set its own academic standards – curriculum, examination rigour, intake quality etc. It also opens up the possibility of forging its own network of relationships with industry and other academic institutions. Of course, the level of funding is also increased. However, this freedom comes with the great responsibility of creating its brand and identity in an already crowded education market.

Q3: From your humble origins you have reached to such an esteemed position. What would you say is the secret of your success?

There are three things that have always helped me – taking initiative, conviction and being persistent in your efforts. Initiative sets you apart as a leader from a lot many others who are order takers. Conviction for a position or a cause keeps you focused and motivated. Persistence is required because no journey is possible without its share of stumbling blocks. If we give in after one or two setbacks, we keep changing directions too much and can never get to taste success.

Q4. How would you describe your college life and what difference do you observe in college in your time and the present time?

College life is the best part of one's life. I enjoyed every bit of it with a very balanced approach towards academics, fun and building relationships. I am also blessed to have cultivated a strong network of friends that continues to be my primary support system even after 25 years since graduation. And meanwhile managing to complete the degree with First Honors.

There are two big differences that I see in the college since our days. While I am pleasantly surprised by the increased levels of awareness triggered by information ubiquity, I also feel that the student community has become more focused on “securing a job” these days as opposed to “building a career”. The ambition levels in general are not where it used to be despite the limited number of opportunities that existed back then.

Q5: What message would you like to convey to the inquisitive students of Malaviya?

Building upon the last question, you need to be able not just to hunt for information but also to mine it and create your own insights leading to knowledge. You folks need not to just know the “what” but also the “why”. That will help you differentiate yourself in an intensely competitive professional world that awaits you once you leave the gates of MMMUT and enter the portals of the real world.

*“Your
desire
for
success
should
be
greater
than
your
fear of
failure”*

Campus Buzz

- A **Get Together** (Fresher's Welcome Party) was organized by the different departments and was heartily celebrated by the students and staff.
- A **National Conference** and an exhibition on Atomic Research was conducted by **Bhabha Atomic Research Centre (BARC)** on 15th September, 2014.
- **Engineer's Day** was jubilantly **celebrated** on 15th September, 2014 . It was marked by the golden words of our alumni and colors of the cultural program.
- A **workshop** was conducted on Wired, Wireless and Autonomous **Robotics** by the student members of IEEE for first and second year students.
- **ROBO-NEXT 2014**, an Indian Robotics Tournament organized by iSec Systems in association with IIT-Bombay, was conducted on 20th and 21st September, 2014. Three teams qualified for the final round to be held at IIT-Bombay.
- An **Interactive Session** of students with **Dr. Ashok Jahnavi Prasad** (Asia's 5th most educated person) was held on 20th September, 2014.
- **M/s TCS, Lucknow** visited the university on 19th and 20th September, 2014, recruiting 87 students from various courses followed by **M/S Wipro Technology, Bangalore** on 8th October, 2014, recruiting 30 students.
- **30th National Convention of Mechanical Engineers** and National Seminar on Green Technology in Power Sector was conducted by **The Institution of Engineers (India)** on 27th and 28th September, 2014.

BARC EXHIBITION

The Bhabha Atomic Research Centre (BARC), a vision of Dr. Homi Jehangir Bhabha, is India's premier nuclear research facility based in Trombay, Mumbai. BARC is a multi-disciplinary research centre for advanced research and development covering the entire spectrum of nuclear science, engineering and related areas. BARC's core mandate is to sustain peaceful applications of nuclear energy, primarily for power generation. It manages all facets of nuclear power generation, from theoretical design of reactors, computerised modelling and simulation, risk analysis, development and testing of new reactor fuel materials, etc.

Our institute, Madan Mohan Malaviya University of Technology, got the privilege to organise a **seminar and exhibition** in collaboration with **BARC, Mumbai** on the eve of diamond jubilee of BARC. In that exhibition many new technologies like nuclear desalination, Iermon-A solar powered system for online monitoring of environmental radiation with multiple detectors, Bhabhatron, Indian Pressurized Heavy Water reactor, AKRUTI-KRUTIL-FORCE and Trombay crop variety etc. were introduced to the students and visitors through models and presentations. Students from different colleges and schools attended the exhibition.

Bhabha Atomic Research Centre, Mumbai, India has a broad based research programme in Food and Agriculture involving **genetic improvement of crops through mutation breeding** and biotechnological approaches. Heritable mutations of genes occur spontaneously in all living beings; but their rates are extremely low, of the order of one in a million. Isolating living organisms with beneficial characteristics from nature and multiplying them by selective breeding is a very slow process. Scientists speed up the mutation rate a thousand fold by exposing seeds or in some instances parts of the plant to ionising radiation. Breeders produce plants from these irradiated seeds. They combine plants with different desirable characteristics to develop high yielding, early maturing and disease resistant plants.

BARC scientists developed 41 new crop varieties, called the **Trombay varieties**, by radiation induced mutation and cross-breeding; these have been released and officially notified by the Ministry of Agriculture, India for commercial cultivation. Farmers in virtually every state benefited from the technology. Besides high yield, early maturity and early water use efficiency, some of the Trombay groundnut varieties have fresh seed dormancy of 20-30 days thus preventing in-situ germination, a nightmare for farmers after the end of season rains, when the crop is ready for harvest.

BARC has also developed early maturing, confectionary grade, large seed groundnut seed varieties (100 seeds more than 60 grams) suitable for export. In an address at the Indian Nuclear Society Technical Seminar, Dr S.F. D'Souza, Associate Director listed the mutant varieties of crop plants developed at Trombay and lucidly described their socio-economic impact. BARC has developed many varieties of high yielding, disease resistant moong beans.

In developing and applying mutation breeding using ionising radiation, India has a leading role among all nations. Many varieties of mutant crops cultivated on tens of thousands of hectares enhance income in rural areas, contribute to environmentally sustainable food security and improve human nutrition in India.

STUDENT MEMBERS

FINAL YEAR

Abhay Maurya

Asad Khalid

Garima Singh

Harshita Srivastava

Nitin Mishra

Priya Singh

Rajshree Mishra

Resham Tyagi

Shikhar Srivastava

Shivam Sinha

Tushar Srivastava

Utkarsh Tripathi

ENTREPRENEURSHIP

Innovate! Risk! And build up your Ideas!

It is said “The greatest success comes just one step beyond the greatest failure.” Entrepreneurship is about leading an interesting, passionate and meaningful life. You don’t need a fancy degree or a rich daddy to dream big and make it happen. It’s all in your head, in your heart, and your hands.

An entrepreneur is basically an individual who, instead of working as an employee, plans to run a small business and assumes all the risk and reward of any given business, idea or goods and services, offered for sale. He is commonly seen as a business leader and innovator of new ideas and business processes.

Currently in India, due to economic crisis, every year out of 300 million graduates only 100 million are able to secure reasonable jobs to meet their ends. While remaining 200 million have to face the fate of unemployment every year. It is believed that this void can only be filled through self-employment and entrepreneurship-driven employment.

To promote this idea of entrepreneurship in order to create job opportunities for millions, central minister of HRD, Smriti Zubin Irani has suggested that the paradigm of education should be such that it is able to cross the knowledge with analytical skills and logical reasoning. This would help students acquire skills and entrepreneurial qualities. Innovation clusters should be developed to promote collaboration between research organisation, industry and university. This would help exploit knowledge that would otherwise be left commercially unused by universities.

STUDENT MEMBERS

THIRD YEAR

Adarsh Chaudhary
Aishwarya Chauhan
Asmita Pal
Divi Khare
Mudit Saxena
Pragya Pandey
Rajesh Kumar Ojha
Ritika Gera
Saurabh Dubey
Shweta Srivastava
Sonali Mishra
Vijaya Laxmi Acharya
Vishal Sharma

It is interesting to know that the Indian Institutes of Technology (IITs) are ranked fourth on a list of 50 best entrepreneurial undergraduate institutes in the world. The ranking was compiled by PitchBook Data, a US-based private equity and venture capital research firm. Another interesting fact in the same study was found that the IITs had a total of 264 entrepreneurs, who have founded 205 companies and cumulatively have raised assets of a whopping \$3.15 billion.

A good news for aspiring entrepreneurs is that inspired by these figures, a clutch of IITs across the country has decided to promote this idea by offering 'deferred placements' to students who would rather float a new business than sit for a job interview now. In this way, their job security is guaranteed. Inspired from these premier institutes, similar initiatives are being taken by various other institutes all over to open cells and provide a platform where students can come up with their innovative ideas and seek all kind of financial and technical assistance needed as such to build it further.

Steve Jobs, once quoted in his speech at Harvard:

A true entrepreneur should always
“Stay Hungry, Stay Foolish!”

STUDENT MEMBERS

SECOND 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