

MUJ-TIMES

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FOR INTERNAL CIRCULATION

4th Convocation at MUJ



Convocation, every year, is the time to assess the progress of university. Like always, Manipal University Jaipur, has added more colourful feathers to its cap of achievements. As a part of it Manipal University Jaipur will celebrate its 4th Convocation on September, 07. Prakash Javadekar, minister of Human Resource Development has consented to grace the occasion with his presence. The event will be presided by Dr K Ramnarayan, Chairperson Manipal University Jaipur.

MUJ feels proud to certify 1011 graduates on the eve of its 4th Convocation. Out of which 4 are Ph.D. graduates, 632 are B.Tech graduates, 39 are M.Tech graduates, 261 are Non Engineering Undergraduates, 59 business graduates and 16 are LLM graduates.

In an interview for MUJ Times Dr N.N. Sharma, Pro-President, Manipal University revealed in detail the benchmarks the university has achieved over a period of time since its inception. University has witnessed advancement at every level from faculty recruitment to student intake. The prerequisite cut off per cent for students has been increased up to 10-15 per cent. To ensure quality staff, minimum recruitment qualification has been decided as Ph.D. Open courses advised by UGC and AICTE, which ensure flexibility, are in the pipeline.

All the innovative methods of pedagogy like open book exams and industrial lectures are being implemented here. A quality assessment cell IQAC, which aims to audit internal quality of systems and processes, is in place.

Apart from regular budget every year, Manipal University Jaipur receives funds from promoters as enhancement fund to promote Research, Student activities, International visits and visiting faculty. MUJ has applied for ATAL mission and NAAC Accreditation. Placements, Alumni connect, quality education and compilation of revised Academic Regulations are some of the other projects taken by the university.

Apart from the three exemplary awards which are given for extracurricular activities, innovation and overall excellence, a new category for award in Research has been introduced. Manipal will keep on adding recognitions for flourishing talent.



Dr K Ramnarayan
Chairperson MUJ



Smt Kiran Maheshwari
Hon'ble Minister of Higher Education



Shri Prakash Javadekar
Hon'ble Minister of HRD



Editorial

The Role of Students in Society!

“Sow a thought, and you reap an act; Sow and act, and you reap a habit; Sow a habit and you reap a character; Sow a character, and you reap a destiny.” Charles Reade

Today's youth is tomorrow's nation. And today's youth are our students. Students do play a vital role in the society and how a society is shaped generation after generations. The formative period of an individual is during the student phase and hence it is known to be the crucial time of life. What is being sown today is what shall be reaped later.

Education is where a student gets formed from. Education is in-fact character building in students. Education enables the student to understand within himself his strengths and freedom in his life. When students are being treated with due respect and responsibility, they have also lived up to be responsible and respect in return to the society. When being recognized, they have the acceptance to work for a better society through hardships rather than giving up in between.

We have seen how the youth stand as one against the negative aspects like corruption, violence, terrorism and fight for the peace and security of the nation. However we see that there is a lack of patriotism in the youth slowly coming up which destroys the harmony and peace of the nation. Students act as bridges between two generations. They need to realize and understand the happening of today and eliminate the bad and extract the good and implement for tomorrow. For this understanding, the right education with the right involvement of the happening is a requirement and the education system should see to it that are being equipped for a better understanding rather than classifying education as elementary, secondary or higher education. The syllabus and the activities should be framed in such a manner that it is interactive and interesting so that students understand and signify the importance of what they learn.

If we do not mould our youth today, we may have to regret tomorrow as tomorrow's nation is in the hands of our upcoming youth and they in turn would pass on what they have acquired in a better format to the forth coming generations, thus enabling the nation to grow in all sectors and make is one among the most powerful and harmonious nations of tomorrow.

So, let us promise ourselves to set an example for our young generation so that they make sure to lives up to our expectations for tomorrow. When every family sets an example, it would grow into the society and thus grow out to the nation. So let us join hands now for a better tomorrow through our youth who are budding students now. India needs us and we should stand for HER....

-Ravi Chaturvedi

[You can send your feedback at mujtimes@jaipur.manipal.edu]

New High Mast Flag at MUJ Campus



New high mast national flag was hoisted by the MUJ President Prof. Sandeep Sancheti on the Independence Day this year. Total height of the flag is around 115 ft which is the tallest national flag on any private university campus of Rajasthan.

MUJ Times wishes the academic standards of the university will also touch the sky following the height of the flag

-MUJ Editorial Team.

School of Media & Communication: Adding Glory to the Manipal Legacy

Media plays an important role in day-to-day life of an individual. Moreover, it has emerged as one of the biggest employment providing field in the contemporary Indian context. Keeping in view of the evolving employment opportunities, Manipal University Jaipur took major leap in 2012 by establishing the School of Media and Communication. With a span of almost five years, the school is attracting students from all corners of India and abroad.

One of the biggest attraction of School of Media and Communication is the focus on core research. So far fourteen research scholars are registered with the School. These budding researchers are pursuing research on various aspects of mass media and its direct impact concerning society and nation. The Doctoral research program in Communication, Media and their allied fields foster innovative interdisciplinary approaches to culture, heritage, development, law, cinema, performing arts, literature and computational language.

Keeping in mind the industrial needs, the School commits to train the learners on how to develop various professional skills. The internship in final semester and student-media/film industry meet in the form of conclave, workshop, media fest, film fest, colloquium and personality interaction session organized at National and International level within the school provide opportunity to the students to make up their mind engaged for self-placement skills. Our students are so far placed in Concentrix, The Desert Trail, Nirvana Films, Radio Mirchi, Times of India, Hindustan Times, Cox and King, Ogilvy and Mather etc.

With 13 core teaching faculties dedicated to this mission, School of Media and Communication has been judged among '10 Most Promising Media and Mass Communication Institutes' by Jan 2017 edition of 'Higher Education Review Magazine'. The main aim of communication is to develop an informed society, to mediate between the public knowledge of policies for human society and to eradicate disparities. School of Media and Communication is promisingly working ahead to achieve such goals.

-S. U. Khan

News from Automobile Engineering



SAE NIS STUDENT CONVENTION was hosted and organized in association with SAE-NIS and its collegiate clubs in Rajasthan region and on 28th January 2017. The event witnessed over 500 participants from colleges across MUJ and was one of the largest events that MUJ has ever hosted. □



A road safety drive was organized, in association with a NGO CARS in MUJ. Reflectors were installed on vehicles to maximize low light vehicle visibility, thereby increasing driving safety. □



Automobile Engineering Workshop Inaugurated

A fully equipped Automobile Engineering Workshop spread across 3600 sq. ft., was inaugurated by the Chair Person Prof. K. Ramnarayan. □

*Mr. Ashu Yadav participated in a GIAN Course on “Computational Methods with Applications to Fluid Dynamics” at IIT Bombay.

*Mr. Pankaj Sen attended a 30 day pre-project training on Active Noise Control Using SMART Materials” organized by IISc, Bangalore for a project associated with MUJ. This project is funded by ONRG and NIRDESH.

*Dr. Ashish Malik and Dr. Yogesh Krishan Bhatshvar guided 6 students in Design of Intelligent Battery Pack for Electric Vehicles applications. They also guided 2 students from Poland

and Tunisia for their 2 months summer internship, Battery Management system and Battery thermal modelling.

*Dr. Ashish Malik attended one week GIAN Course on “Multiphysics Coupling in Energy Storage” at IIT Guwahati. □

L’Apprentissage de la langue française

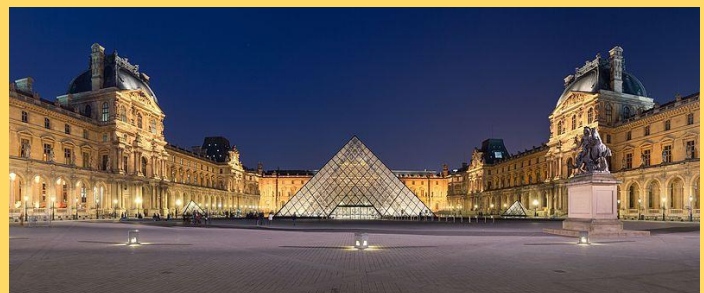
"Apprendre un certain nombre de mots sans apprendre à construire des phrases n’a pas grande valeur pratique, mais cela ne sert pas non plus à grand-chose d’être capable de produire des phrases grammaticales si on ne possède pas le vocabulaire nécessaire pour exprimer ce que l’on veut dire."

D. A. Wilkins



Aujourd’hui plus de 265000 étudiants étrangers vivent en France. La France est le troisième pays d’accueil après les États-Unis et le Royaume-Uni. Plus de 200 millions de personnes parlent français sur 5 continents. Le français est la langue étrangère la plus largement apprise après l’anglais et la neuvième langue la plus parlée dans le monde.

C’est également la langue avec l’anglais que l’on peut apprendre dans tous les pays du monde. Le gouvernement français dispose du plus grand réseau d’établissements culturels dans les pays étrangers pour dispenser des cours de français à plus de 750 000 personnes. En plus, il n’est plus nécessaire de pratiquer couramment le français pour étudier en France. A nos jours, un grand nombre de formations est en effet désormais enseigné en anglais en France. Ayant la connaissance de la langue française permet de poursuivre ses études en France dans les universités réputées ou dans les grandes écoles de commerce et d’ingénieur. Aussi, les étudiants peuvent-ils bénéficier de bourses du gouvernement français pour suivre leurs études en France dans toutes les disciplines et obtenir un diplôme



internationalement reconnu.

Aujourd'hui la connaissance d'une seule langue ne suffit pas. Apprendre une ou plusieurs langues étrangères est un atout pour multiplier les chances sur le marché international de l'emploi. La connaissance du français ouvre les portes du monde commerciale et augmente le potentiel de gagner de bons salaires. Cette langue aide à acquérir une richesse supplémentaire et s'ouvrir d'autres horizons, personnels et professionnels. On pourrait concourir dans l'économie globale de l'avenir.

La France est la cinquième puissance commerciale et troisième terre d'accueil pour les investissements étrangers. Donc, la connaissance du français est inévitable dans l'importation-exportation.

Si on parle de voyage, La France est le pays le plus visité au monde avec plus de 70 millions de visiteurs par an. C'est un pays le plus agréable avec sa culture, les mentalités et l'art de vivre. Ces jours, il y a une demande croissante pour de bons guides même en Inde. La connaissance de la langue française nous ouvre un nouveau monde de mode, de théâtre, de sports, de luxe, de cinéma et de gastronomie.

La connaissance de la langue française facilite l'accès en version originale aux grands textes de la littérature française et francophone. C'est la langue de Victor Hugo, de Molière, de Léopold Senghor, d'Édith Piaf, de Jean-Paul Sartre, d'Alain Delon ou de Zinedine Zidane. On pourrait avoir le Plaisir de comprendre et de chanter les chansons d'Edith Piaf. De plus, le français est la langue internationale pour la cuisine, la mode, le théâtre, les arts visuels, la danse et l'architecture.

Le français est à la fois langue de travail et langue officielle à l'ONU, dans l'Union européenne, à l'UNESCO, à l'OTAN, au Comité international Olympique, à la Croix Rouge Internationale... et de plusieurs instances juridiques internationales. Le français est la langue des trois villes sièges des institutions européennes : Strasbourg, Bruxelles et Luxembourg.

Comprendre le français permet de poser un autre regard sur le monde en communiquant avec les francophones sur tous les continents et s'informant grâce aux grands médias internationaux en langue française (TV 5, France 24, Radio France Internationale).

L'apprentissage de la langue française aide à apprendre d'autres langues, notamment les langues latines (l'espagnol, l'italien, le portugais ou le romain) mais aussi l'anglais puisque le français a fourni plus de 50% du vocabulaire anglais actuel. Le français est aussi une langue de l'amour. Selon les recherches, la pratique de plusieurs langues nous empêche des maladies psychologiques par exemple - Alzheimer.

Il est impératif de dire que le français est encore parlé en Asie, sans être langue officielle. Il est encore parlé dans les anciennes colonies Françaises : En Inde, il est parlé à Pondichéry où traditionnellement les habitants peuvent même avoir la nationalité française.

Pour conclure, on pourrait dire que l'apprentissage d'une langue étrangère notamment le français nous mène à conquérir de nouveaux horizons, mais en même temps nous renforçons notre propre identité et donc aussi notre confiance. Cette langue pourrait aiguïser nos facultés de réflexion et d'analyse. □

-Tanuja Yadav

L'empreinte française en Inde



La transformation globale dans l'apprentissage des langues a placé le français comme la deuxième langue la plus acceptable dans le monde. Plus de 220 millions de personnes parlent français sur les cinq continents. ... Le français est la deuxième langue étrangère la plus largement apprise après l'anglais, et la sixième langue la plus parlée dans le monde. Le français est aussi la seule langue, avec l'anglais, enseigné dans tous les pays du monde.

Décennie après décennie, le français comme langue étrangère en Inde prend de l'importance non seulement du point de vue académique, mais aussi des plates-formes commerciales.

Scénario langue indienne est en synchronisation avec l'écosystème mondial. Les Systèmes de prestation de services linguistiques ont rompu les silos où toute langue mondiale a été perçue dans le passé.

En raison de l'expansion du marché mondial, l'augmentation des occasions de voyage et des implications à l'échelle mondiale de l'Internet, l'importance des langues étrangères est plus élevée que jamais. Par conséquent, nous nous efforçons de préparer les étudiants qui sont équipés culturellement et linguistiquement pour communiquer avec succès dans la société de l'entreprise et à l'étranger. Au fur et à mesure que notre pays se développe et que les opportunités d'affaires se multiplient, le nombre de carrières qui soulignent l'importance d'apprendre une deuxième langue est énorme.

Avec un tel vaste horizon de cette langue, acceptation professionnelle gagne du terrain tous les jours à travers de nombreuses possibilités comme l'hôtellerie, les soins de santé, le tourisme, la fabrication, l'art, la culture, la musique, la mode et les films.

En soutenant la même vague, nous en tant qu'académiciens doivent improviser et d'inventer des mécanismes pour "Facilité l'apprentissage de la langue française". Néanmoins ... la communication et le langage sont la principale source de l'expérience humaine ! □



-Atika Shrivastava

Deutschland – das Land der Bildung, Forschung und Innovation

Geschichtlicher Hintergrund

Deutschland – ein Land in der Mitte von Europa – mit einer Einwohnerzahl von ca. 82 Millionen ist heute die größte Wirtschaft Europas und die fünft größte in der Welt. Ein Land, das nach dem zweiten Weltkrieg nichts anzubieten hatte, hat diese Erfolgsgeschichte innerhalb von siebzig Jahren geschrieben. Allein die Regierung hätte es nicht schaffen können. Die ganze Bevölkerung hat sich zum Ziel gesetzt, sich und das Land aus dem Alptraum der nationalsozialistischen Vergangenheit herauszuholen, die Realität der Teilung in Ost- und Westdeutschland zu akzeptieren und von der Gegenwart und der Zukunft zu denken.



Wo ein Wille ist, ist auch ein Weg. Wo der Wiederaufbau in Ostdeutschland geprägt durch Planwirtschaft sehr langsam war, entschied sich Westdeutschland für die soziale Marktwirtschaft und nutzte die ausländischen finanziellen Hilfen aus, um ein sogenanntes Wirtschaftswunder zu schaffen. Auf mehrere Ebenen hat das Land gleichzeitig gearbeitet. Aufbau der Infrastruktur und industrielle Entwicklung verschaffte Arbeit für die Bürger und brachte Reichtum ins Land. Die deutschen Produkte gewannen bald den Ruf als Solche, die man einmal kauft und ein Leben lang gebraucht. Noch größeren Wert legte man auf Bildung, Forschung und Innovation. Folgerichtig haben die deutschen Universitäten den Ruf des hohen Standards in der Ausbildung. Die Universitäten von Heidelberg und München gehören zu den fünfzig besten Universitäten der Welt.

Studium in Deutschland

Wenn man mit einem Masterstudium in Deutschland anfangen möchte, ist die Wahl des Studienortes die größte Herausforderung. Bei der Entscheidung für die Universität bzw. die Hochschule ist die Webseite des Deutschen Akademischen Austauschdienstes (DAAD) sehr behilflich (<http://www.daad.de/en/15067/index.html>). Der DAAD ist die führende deutsche Organisation, die nicht nur

bei der Entscheidung vom Studienort hilft, sondern auch gute Stipendien anbietet. Eine ausführliche Information über diese Möglichkeiten finden Sie unter dem Link: www.funding-guide.de. Zusätzlich des DAAD gibt es einige Stiftungen, die das Studium der Studenten in Deutschland finanzieren. Diese Stiftungen haben ihre Niederlassungen in Neu Delhi und Ihre Kontaktdaten befinden sich auf der Webseite der deutschen Botschaft: http://www.india.diplo.de/Vertretung/indien/en/09_Politiks/Bilaterals/Political_Foundations.html.

Auch wenn man wegen der großen Konkurrenz kein Stipendium bekommt, lohnt es sich, das Studium in Deutschland fortzusetzen, da das Studium an den staatlichen Universitäten und Hochschulen in den meisten Bundesländern gebührenfrei ist, nicht nur für die einheimischen, sondern auch für die ausländischen Studenten. Wenn ein Student/eine Studentin ein bescheidenes Leben durchführt, kommt er/sie mit etwa 700 Euro (ca. 50000 indische Rupien) monatlich unproblematisch aus.

Heutzutage bieten viele Universitäten Deutschlands das Studium auf Englisch. Auch wenn man Glück hat und einen Studienplatz in einem englischsprachigen Kurs bekommt, sind die Grundkenntnisse der deutschen Sprache d.h. A1-Niveau eine Pflicht. Da die Anzahl der Bewerber für die englischsprachigen Kurse ziemlich hoch und daher es sehr schwierig ist, einen Studienplatz zu bekommen, ist es empfehlenswert, sich um einen Kurs zu bewerben, der auf Deutsch angeboten wird. Das bedarf zwar des B2-Niveaus der Deutschkenntnisse, aber erhöht die Chancen des erwünschten Studium im Wesentlichen. Daher ist der erste und vernünftige Schritt für ein Masterstudium in Deutschland die Erwerbung der Sprachkenntnisse.

Deutsch lernen und studieren in Indien

Wenn Ziel des Deutschlernens die Sprachfähigkeiten zu erwerben ist, ist das Goethe Institut (<https://www.goethe.de/ins/in/en/>) das geeignete Zentrum für den Zweck. Wenn ein/e Studierende/r schon vom Anhang des Bachelorstudium plant und die Sommerferien dem Deutschlernen widmet, kann er/sie das notwendige Niveau der Sprache bis zum Ende des Bachelors erreichen. Für die Studenten, die Germanistik studieren möchten, bestehen etliche Gelegenheiten, an den indischen Universitäten. Eine Detailauskunft kann man sich aus der Internetseite der German Studies in India“erwerben: <https://germanindia.wordpress.com/> Zu guter Letzt ist es nicht unangebracht, den Lesern zur Kenntnis zu bringen, dass Manipal University Jaipur (<https://jaipur.manipal.edu/muj.html>) seit zwei Jahren einen einjährigen Deutsch-Zertifikatkurs anbietet, der A1-Niveau hat. Außerdem bietet unsere Universität einen Einsemester-Basiskurs der deutschen Sprachen, um den Studenten mit der Sprache und Kultur der deutschsprachigen Länder vertraut zu machen. Der Kurs ist bei den Studenten ziemlich populär. □

-Hemant Agrawal

स्वतंत्रता दिवस पर सांस्कृतिक कार्यक्रम का आयोजन

प्रो. कुसुम शर्मा द्वारा प्रस्तुत रिपोर्ट

71 वें स्वतंत्रता दिवस पर मुख्यातिथि प्रो. संदीप संवेती जी अध्यक्ष मणिपाल विश्वविद्यालय जयपुर द्वारा मणिपाल विश्वविद्यालय में कार्यक्रम का शुभारम्भ सलामी व ध्वजारोहण द्वारा किया गया। इस अवसर पर विश्वविद्यालय के विद्यार्थी शुभम अग्निहोत्री ने स्वनिर्मित ड्रोन द्वारा पुष्पवर्षा की।

कार्यक्रम का केंद्रीय विषय 'भावात्मक संतुलन एवं स्वतंत्रता' था। विषयानुरूप विद्यार्थियों ने भाषण, सामूहिक (गीत, कविता, नृत्य, नाटक) सहित अनेक कार्यक्रमों का प्रस्तुतिकरण दिया। इस अवसर पर डॉ. विजयलक्ष्मी शर्मा (विधि विभागाध्यक्षा) ने अपने विचार प्रकट किये। डॉ. प्रशस्ति जैन (असि. प्रो. मनोविज्ञान) एवं परिधि जैन (गेस्ट फैकल्टी इन लिबरल आर्ट्स फॉर म्यूजिक) ने देशभक्ति गीत प्रस्तुत किया। अशोक कुमार, तकनीशियन (जनसंचार एवं पत्रकारिता) ने देश भक्ति गीत प्रस्तुत किया। अध्यक्ष प्रो. संदीप संवेती जी ने देश के शहीदों को याद करते हुए इनसे प्रेरणा लेने का आह्वान किया साथ ही उन्होंने विश्वविद्यालय की विकासात्मक गतिविधियों के बारे में जानकारी दी। कार्यक्रम की संयोजिका प्रो. (डॉ.) कुसुम शर्मा थी।

इस अवसर पर सराहनीय योगदान हेतु शैक्षणिक एवं अशैक्षणिक वर्ग को पुरस्कृत किया गया। यथा (डॉ.) धर्मेंद्र त्रिपाठी, डॉ. नीतू भटनागर, डॉ. रीना पूनिया, डॉ. अपर्णा मवकड़, डॉ. सुब्रतो बंधुघोष, डॉ. रोहितजैन डॉ. लोकेश शर्मा, रवींद्र यादव, सुरेंद्र कुमार, सविता अग्रवाल, गुणीराम संगत, लोकेन्द्र सिंह, मनोज कुमार शर्मा, दीप्तिराजीव, राजेंद्र सिंह राठौड़ एवं सुनील बैरवा आदि।

कार्यक्रम में 'न्यू इंडिया मंथन के पोस्टर एवं ग्रीटिंग कार्ड प्रतियोगिता' का उद-घाटन भी मुख्यातिथि प्रो. संदीप संवेती जी द्वारा किया गया। साथ ही पौधरोपण कार्यक्रम एवं रस्सा कशी खेल भी इस अवसर पर आयोजित किए गए। कार्यक्रम का संचालन आशा प्रजापत (शोधार्थी, हिंदी विभाग) द्वारा किया गया और कार्यक्रम की सह संयोजिका हिंदी विभाग की शोधार्थी प्रियंका यादव थी। ☐

संस्कृतभाषायांवैज्ञानिकता:

मानवजीवनेभावभिव्यक्तये:मुख्यसाधनंअस्तिइतिसर्वेजना:स्वीक्रियन्ते। "भाष्यतेइतिभाषा "

अर्थात्जना:यस्मिन्स्वविचारान्प्रकटिकुर्वन्तिस्वैवभाषाभवति।विश्वस्यउपलब्धासुभाषासुसंस्कृतभाषाप्रचीनतमाभाषारिताभाषेयंअनेकासांभाषाणांजननिमता।संस्कृतात्एवअधिकाभारतीयभाषाउद्भवतातावदेवभारतयूरोपीयभाषावर्गीया:अनेका:भाषा:संस्कृतप्रभावंशब्दप्राचुर्यप्रदर्शयन्ति।प्रचीनयो:ज्ञानविज्ञानयो:निधि:अस्यांसुरक्षित:।संस्कृतवाङ्मयंविश्ववाङ्मयेअद्वितीयंस्थानंअलंकरोति।आचारस्यशुभाशुभस्यज्ञान-विज्ञानस्यकर्तव्यअकर्तव्यस्यनिधि:अस्तिसंस्कृतं।

वेदा:संस्कृतभाषायांरचितप्राचीनतंग्रन्था:सन्तानकेवलंधर्म - अर्थ - काम मोक्षात्मका:चतुर्विधपुरुषार्थहेतुभूता: विषया: अस्या: साहित्यस्यशोभां वर्धयन्तिअपितुधार्मिक- नैतिक- आध्यात्मिक- लौकिक- राजनैतिक-वैज्ञानिक- पारलौकिक विषयै:अपिसुसम्पन्नाइयंदेववाणी।

महर्षिपाणिनिनाविरचित: 'अष्टाध्यायी ' इति संस्कृतव्याकरणग्रन्थ:अधुनापिभारतेविदेशेषुचभाषाविज्ञानिनांप्रेरणास्थानंवर्तते।इतिकथितं - वाक्यकारंवररुचिभाष्यकारंपतञ्जलि।

पाणिनिसूत्रकारंचरणतोअस्मिन्मुनित्रयम्॥

संस्कृतभाषाया:शब्दकोष:वर्ण्यविषयाणांबाहुल्यात्विश्वस्यसर्वाधिक:विशाल:अस्ति।इयंभाषाअतीववैज्ञानिकी।अधुनावैज्ञानिका:अपिस्वीकुर्वन्ति।यत्संस्कृतमेवसंगणकस्यकृतेसर्वोत्तमाभाषा:अस्ति।इतिकारणात्नासासंस्थानंअपि 'मिशन संस्कृत ' नामेनाएका: अतिमहत्वपूर्णकार्यक्रमस्यशुभारम्भंअकरोत्।तस्यविचारंअस्ति।यत्संस्कृतभाषायामाध्यमेसूत्ररूपेणकेनापिसंदेशंन्यूनतंशब्देषुप्रेषणंसमर्थमस्तु।

यत्किञ्चिदपिविकासंजनै:अधुनापर्यन्तंकृतं, तत्सर्ववेदेषुविस्तृत रूपेणपर्वणीतंअस्ति। कौटिल्य रचितं 'अर्थशास्त्र:' संस्कृतभाषाया:विश्वप्रसिद्धम्राजनीति- अर्थशास्त्र आधारितं ग्रन्थास्ति। गणितशास्त्रेशून्यस्य प्रतिपादनं सर्वप्रथम भारतीय संस्कृत विद्वान:आर्यभट्ट:अकरोत्।खगोलशास्त्रविषयेअपिआर्यभट्टेनविधिविधयोगानांउल्लेखंअत्रसंस्कृतभाषायांविद्यते।सर्वप्रथमआर्यभट्टेनएवकथितंयत्सूर्य:अवल:पृथ्वीचचला।गणितक्षेत्रेसंस्कृतभाषाया:वैदिकगणितस्यगणनापद्धतिअतितीव्रा:अस्तियेनसंगणकगत्यागणनाकर्तुंशक्यते।

व्रतपरिणाह:विषयेसर्वप्रथमसंस्कृतभाषायांवर्णनंअस्तिइति-

चतुरधिकंशतमष्टगुणंद्वाषष्टिस्तथासहस्रणां।

अयुतद्वयंविष्कम्भस्यआसन्नोवृत्परिणाह:॥

(आर्यभट्ट)

शत्वसूत्रा: , बोधायणा , सिद्धान्त शिरोमणी आदय:अन्य उदाहरणा:गणितसिद्धान्तस्या:सन्ति।चिकित्साशास्त्रेचरकसुश्रुतयो:योगदानंविश्वप्रसिद्धम्।सुश्रुतसंहिताशल्यचिकित्साया:विषयेचरकसंहिताशारीरकचिकित्साया:विषयेसंस्कृतस्यप्रमुखा:ग्रन्था:स्त:।रसायनविज्ञानक्षेत्रेनागार्जुनेनरचितंरसरत्नाकर:वराहमिहिरेनरचितंवृहत्संहितांअपिसंस्कृतस्यसमृद्ध्या:उदाहरणंसन्ति।भारद्वाजमुनयस्यविमानशास्त्रंविश्वस्यप्राचीनतम्विमानतकनीकीआधारित:ग्रन्थंअस्ति।अस्मिन्ग्रन्थेवायुयन्त्रा:, वक्रपरसरणयन्त्रा:, अग्निस्तंभना:आदि विभिन्न यन्त्राणां वर्णनम्अस्ति।गुरुत्वाकर्षणबलंविषयेअपिमहर्षिभास्कराचार्य:सर्वप्रथमंअवदेताइति-

आकृष्टिशक्तिस्तुमहीयत्स्वस्थंगुरुत्वाभिमुखंस्वशक्त्या।

आकृष्यतेयत्पततीवभातिसमेसमन्तात्त्वपतत्यंरवे।।

(महर्षि भास्कराचार्य:)

इतिप्रकारेणवेगसंस्कारा:, धातुशास्त्रं आदि: अनेका: उदाहरणा:सन्ति।यत्संस्कृतवाङ्मयस्यमहतांवदन्ति।केचनकथयन्ति।यत्संस्कृतभाषायांकेवलंधार्मिकसाहित्यमवर्तते-एषाधारणा समचीनानारितासंस्कृतग्रन्थेषुमानवजीवनायविधा:विषयासमाविष्टा:सन्ति।तेनमनुष्यस्यसमाजस्यविकास:भवेत्।उक्तञ्च-

अमृतंसंस्कृतंमित्र: !

सरसंसरलंवच:।

भाषासुमहनीयम्यह

ज्ञानविज्ञानपोषकं।।☐

-प्रियंका यादव

Workshop on Security and Safety of Women



A three day workshop on **Ensuring Security and Safety of Women at Workplace** was conducted under the joint auspices of **Women's Cell & Committee for Prevention Against Sexual Harassment (PASH)** of the **MUJ and MIS** from **August 9 to August 11, 2017**.

Prof. (Dr.) Laad Kumari, an eminent academician and Ex-Chairperson, State Women's Commission was the Resource Person on all three days. She was welcomed by Registrar Dr Vandana Suhag and Chairperson, PASH Committee Prof Kusum Sharma. The sessions were conducted specially for the benefit of newly recruited teaching faculty & non-teaching staff and the first year students. Members of the PASH Committee Dean (Science) Prof Tikkiwal, Prof Lalita Ledwani, Prof Shalini Jain, Prof Geetika Tankha, Dr Vijaylaxmi Sharma were also present.

The workshop was successful in spreading general awareness & apprising the participants of conduct rules and guidelines as laid down by the Honourable Supreme Court & the University Grants Commission. □

Interdisciplinary Expert Lecture Series by Civil Engineering Department



Civil Engineering department is organizing an Interdisciplinary Expert Lecture Series from 22nd August, 2017 to 7th November, 2017. The first lecture, part of 1-hr

long lecture cum discussion series, was delivered by Prof. R. C. Gaur (Director: SCCE), who delivered a very informative talk on Environmental Impact Assessment (EIA) of large dams. The very successful programme was attended by over 35 participants from several departments of the university. The talk demonstrated about 20 different areas on which EIA should be done.

The next lecture of the series, scheduled on 28th August, 2017, will be delivered by Prof. A. K. Sinha on "Groundwater in Arid Regions". □

Department of Economics School of Humanities & Social Sciences



Prof. Ganesh Kawadia, Head & Professor, School of Economics, was invited to visit Department of Economics, School of Humanities and Social Sciences, Manipal University from 27th July 8th August 2017 under the University Endowment Scheme. During his stay at the campus, various interactive knowledgeable sessions with faculty and students were held. He discussed unexplored dimensions and areas of researches in Economics, emerging areas in dynamic economic scenario across the world, the interdisciplinary and problem solving approach which should be adopted while teaching Economics. Interactive sessions were planned for faculty members, research scholars and students of Department of Economics, Psychology, Liberal Arts, Law and Commerce. □

Dr. Aparna Makkar, Assistant Professor, Department of Economics was awarded with Certificate of Appreciation by President, Manipal University, Jaipur for her credible work in MUJ on the occasion of 15th August 2017. □



Workshop on Imagination and Creativity



A **workshop on Imagination and Creativity** was organized by School of Humanities and Social Sciences. **Prof. Cedric Serpes**, *Goa Institute of Management; visiting faculty in IIT Gandhinagar, IIT Jammu, IIM Udaipur, NID Ahmadabad, IIIT Kota* was esteemed resource person for the workshop. More than 80 students from different departments participated in the workshop. Workshop was conducted in four sessions. Prof. Serpes encouraged the participants to learn practical techniques to ignite their creativity, imagination, and innovative thinking and find new sources of inspiration in everyday life. The workshop was based on learning by doing concept in which the participants were given few activities to perform. □

Lecture on China's Development Paradigms



The department of Arts (Political Science), Manipal University Jaipur conducted a Special Lecture on **China's Development Paradigms from the Deng Era through the Xi Jinping Regime: A Critical Examination** on 09TH August 2017 at TSB Seminar Hall. The guest speaker was Miss Romi Jain from Cleveland State University Ohio, USA. The lecture was a detailed analysis of the life and times of the Chinese state post the Chinese revolution of 1949 and dwelt on the vision and successes of the Chinese leadership. Nearly 100 students attended this lecture were enlightened by the scholarship of the guest speaker. □

Guest Lecture on Psychoanalytic Principles



The Department of Psychology organized a guest lecture on Psychoanalytic Principles in theory and Practice on 23rd August 2017. The resource person was Dr. Monisha Nayar-Akhtar, a practicing psychoanalyst from Philadelphia, USA. The lecture focused on the basics of Psychoanalysis and psychodynamic perspective of personality. It was an informative session for the students which gave insights on analyzing and understanding the unconscious aspects of personality. □

Department of Mathematics & Statistics



Mathematics Club "TRACTRIX" with the association of the Dept of Mathematics & Statistics organized a guest lecture on August 4, 2017. **Prof. Balswaroop Bhatt**, Professor of Mathematics, Dept. of Mathematics & Statistics, The University of West Indies, Trinidad delivered a lecture on the "Applications of Mathematics in Engineering, Social Sciences, Economics, Medicine and Human Behaviour". Approximate hundred students and faculty members from various disciplines attended the lecture and benefitted with the new concept of prey-predator model and its application in human behaviour. A special interaction session was also organized after the lecture. This successful event promoted the applications of Mathematics in interdisciplinary areas. □

"There is geometry in the humming of the strings, there is music in the spacing of the spheres."
-Pythagoras

National Workshop on Scientific Computational Techniques



The Department of Mathematics & Statistics of School of Basic Sciences, Manipal University Jaipur organized a three day **National Workshop on Scientific Computational Techniques (SCT-2017) from July 20-22, 2017**. Eminent resource persons and accomplished faculty members from various reputed Universities and Institutions gave their deliverables for this workshop. □

News from Physics Department

Indo-Australia Workshop on “Nanostructured Materials for Energy Storage Applications”



Department of Physics has organized an Indo-Australia workshop on Nanostructured Materials for Energy Storage Applications held on August 13, 2017 at MUJ. In the workshop 150 participants participated out of these 150 participants more than 60 participants were from out of MUJ. Several eminent scientist from Australia and India have delivered a talk on energy storage materials and discussed the different aspect of nanostructured materials. The workshop was presided by president, Prof. Sandeep Sancheti. □

Endowment Chair at MUJ

Professor Gunther Andersson from Flinders University Adelaide, Australia has been appointed Endowment chair at School of Basic Science, Manipal University Jaipur. Prof. Gunther has visited Manipal University Jaipur from August 12 – 22, 2017. During this period he has delivered a lectures and interacted with Students and faculty members of MUJ to explore further research and academic collaboration between two Universities □



International visit to Flinders University Adelaide, Australia



Dr. Pushendra Kumar, Assoc. Prof. in the Department of Physics visited Flinders University Adelaide, Australia to strengthen the research collaboration between two universities during April 9 – 21, 2017. Dr. Kumar’s visit to Flinders University was jointly supported by Manipal University Jaipur through endowment fund and Flinders University. □

“**MIND-MELD: How Interdisciplinary Are You!**”, a brain storming session, was organized by Department of Physics, MUJ, in association with Birla Institute of Scientific Research (BISR), Jaipur on July 29, 2017. Event was coordinated by Dr Ashima Bagaria. □

Faculty Industry Visit through Endowment Fund

Dr. S. K. Jain visited Altair Engineering India, Bengaluru, Karnataka for “**Antenna Design and its applications training on FEKO**” under Faculty Industry Visit through Endowment Fund. □

Other Achievements

Dr. Jyoti has received **travel grant** from Centre for International Co-operation in Science (CICS) for attending international conference ICPSA -2016 at Langkawi Island, Malaysia. □

Dr. Jagrati Sahariya has successfully **completed research project** funded by Science & Engineering research Board. The major outcomes of project are published in form of research papers in reputed journals. □

Various faculty members of Physics Department have published more than 10 papers in International peer reviewed journals In 2017 so far. □

“*Energy is liberated matter, matter is energy waiting to happen.*”
— Bill Bryson, A Short History of Nearly Everything

News from Chemistry Department

More than 1.20 Crore Funding to Chemistry Dept.

Chemistry department has received a total funding worth more than Rs 1.20 Crore from several funding agencies during 2017. Dr. Praveen Surolia received a project worth Rs. 68,22,695/- and Dr. Rahul Shrivastava & Dr. Arunava Agarwala received a project worth Rs. 25,15,200/- from SERB, DST, New Delhi, Dr. Debasis Behera & Dr. Rahul Shrivastava received a project worth Rs. 12,58,200/- UGC-DAE CSR, Kalpakkam Node. Dr. Lalita Ledwani and Dr. Rahul Srivastava received projects worth Rs. 4,00,000/- each from DST, Rajasthan. □

Seed Money Project Through endowment Fund

Dr. Tanmoy Chakraborty and Dr. Nitu Bhatnagar received seed money projects worth Rs. 2.90 Lakh and Rs. 2.00 Lakh respectively from the University under Endowment Fund. □

International Visit under Endowment Fund



Dr. Nitu Bhatnagar received the **Endowment fund for International Visit** to the Chinese University of Hong Kong, Hong Kong. She also received the honour of visiting faculty from the department of Chemistry and the CUHK and was provided with living expense of 2,500 HK\$. □

Important Research Papers by Chemistry Dept Faculty Members

Dr. Arunava Agarwala and Dr. Rahul Shrivastava published papers in the New Journal of Chemistry, with an Impact factor of 3.277; Molecular Diversity, with an Impact factor of 2.08. They also published paper along with Dr. Babita Malik in the Journal of Chemical Science with an Impact factor of 1.08. Dr. Naveen Kumar Singh published a paper in the Journal of Bioresource Technology with an Impact factor of 5.65. Dr. Veena Dhayal has published two papers, one in Journal of Sol-Gel Science and Technology and another in Materials Research Bulletin with Impact factors of 1.7 and 2.5 respectively. □

Nothing can be more incorrect than the assumption one sometimes meets with, that physics has one method, chemistry another, and biology a third.

~Thomas Huxley



Dr. Nitu Bhatnagar received the **President's award** on the occasion of India's 71st Independence Day celebrations at Manipal University Jaipur for her contribution to the development of her department and University at large. □

Dr. Tanmoy Chakraborty is the **chief editor of a book** titled, "Computational Chemistry Methodology in Structural Biology and Material Sciences" published by Apple Academic Press, Taylor & Francis group. □

Activities of Dept of Planning



Department of Planning, School of Planning & Design conducted a summer project titled "Study of Walled City of Jaipur". During this project students worked on various aspects of planning which included housing typology in old city, comparison of land use pattern between old city and Vidhyadhar Nagar area, heat, ventilation and cooling techniques for old buildings.

Ar. Ayush Bakilwal was invited as an expert, where he presented history of walled city Jaipur and also shared his experiences with students. The programme also included Field visits, Studio works and discussions with faculty members.

Department also organized Urban Perception Study Tour of Jaisalmer and Pushkar which focused on various urban planning and urban design principles of Jaisalmer and Pushkar. □

News from Department of Biosciences

Publications:

According to the information received by MUJ times various faculty members of the department of biosciences have published some important papers which include:

- Dr. Tikam Chand Dakal and his collaborators published research papers in Scientific Reports and Frontiers in Microbiology. □
- Dr. Rohit Jain along with his research scholars published a review paper in Journal of Herbal Medicine. □
- Dr. Madan Mohan Sharma with his research scholars published research papers in Advances in Natural Sciences: Nanoscience and Nanotechnology and Current Science. □
- Dr. Abhijeet Singh published research articles with Dr. M.M. Sharma and his research scholars in Indian Journal of Biotechnology and ACS Chemical Neuroscience. □



Dr. Rohit Jain was awarded a Special Award by The President, MUJ for excellent and dedicated contribution to MUJ on August 15, 2017. □

MoUs of Department of Biosciences

Department of Biosciences has signed couple of MoUs which include MoU with M/s Ayushraj Enterprises Pvt. Ltd. for advanced research in the field of Medicinal Plant Biology and Drug Formulation along with student exchange; and MoU with Directorate of Rapeseed Mustard Research (DRMR) Bharatpur for advanced research in crop biotechnology and molecular biology. Student exchange is also a part of the MoU. □

Prof A. K. Sinha invited for various guest lectures

Professor A.K.Sinha chaired technical session and delivered a key note address on “Groundwater Resources in Arid to semi arid region: Connecting dots to understand the implications of Saline aquifer and Recharge potentiality in part of Rajasthan to sustain life and livelihood” during Bhujal Manthan -2nd held at Vigyan Bhawan New Delhi on 29th November 2016. He delivered invited talk on “Groundwater Recharge Assessment & Management Towards Water Security -A Case Study from Kantli Basin, Western India” in Earth System Science Section of 104th Indian Science Congress Association meet held at Tirupati from 3rd to 7th January 2017. Prof. Sinha also delivered an invited talk on “Sustaining Mining and Mineral resources in Rajasthan, India during 6th General Assembly of Miners, Mineral and Miner held at Kothagiri (Nilgiri Hills, Tamilnadu) from 13th May to 15th May 201. As invited Faculty, Prof. Sinha delivered a lecture on “Groundwater

Conservation and Regulatory Framework by International Centre for Environment Audit and Sustainable Development (ICED), Govt of India 26th July 2017 □

Dr. Rohit Jain delivered a lecture on “Fundamentals and Optimization of HPLC and recent advancements in HPLC for drug analysis” in National Workshop on “Recent Trends in Analytical Techniques in Life Sciences” organised by Suresh Gyan Vihar University, March 24, 2017 and also delivered talks in “Mind-Meld- How Interdisciplinary Are You?” organised by BISR, Jaipur and Manipal University Jaipur on July 29th 2017 with Dr. Sandeep K Srivastava. □

Externally Funded Projects to Dept of Biosciences

Department of Biosciences has received a number of externally funded research projects from DST, SERB, New Delhi to Dr. T.C. Dakal (worth Rs. 28 Lakhs); NMPB, Ministry of Ayush, New Delhi to Dr. M.M. Sharma (worth Rs. 27 Lakhs); DST, Rajasthan to Dr. Abhijeet Singh (worth Rs. 16.06 Lakhs) and from ISRO, Gov. of India, New Delhi to Prof. A.K. Sinha (worth Rs. 16.25 Lakhs). The total cost of all these projects is approx. Rs. 88.0 Lakhs. □

Seed Money Project Through endowment Fund

Dr. Tikam Chand Dhakal received endowment fund of Rs. 2.75 lakhs to work on “Nano technological aspects to combat multidrug resistance in microorganisms”. He also visited University of Bordeaux, France for a period of 2 and half months supported by endowment fund of Manipal University Jaipur through which he has established research collaborations with Prof Philippe Marullo. □

Academia and Industry Workshop:



Department of Biosciences organized Second Workshop on “Scientific Association between Academia and Industry in Biotechnology for Welfare of the Society” in collaboration with Ayushraj Enterprises Pvt Ltd, Begas, Jaipur on 14-15 Nov., 2016. □

- Ms Winnie Lodha, B.A (Hons.)5thSemester successfully completed her Summer Internship at Petrofac International Limited, Sharjah, UAE.
- Ms Gunjita Charan, B.A. (Hons.)5th Semester was selected and successfully completed her Internship at Outline India’s Summer Internship Programme 2017.

workshop on “Cyberspace Security”

The department of Business and Commerce organized a day long workshop on “Cyberspace Security”. The workshop was aimed at understanding of the real life privacy and security issues of this digital world. Mr Rakshit Tandon, Cyber Security expert and presently Consultant, Internet and Mobile Association of India conducted the workshop.

Mr.Tandon revealed the facts related to digital privacy and security with the help of cases across India and persuaded the audience to ponder over the issue of secure environment around us. He also asserted to think twice before giving away personified information to other devices. He advised students to take utmost care before clicking on the “I agree on the Terms and Conditions” option.

Prof.Sandeep Sancheti, President, MUJ presided over the Inaugural session. He was welcomed by Prof. M.L.Vadera, Director, School of Business and Commerce. □

Dr. Amit Jain, invited by Slovakian University



Dr. Amit Jain, Director SHM was invited as a visiting professor by J. Selye University, Slovakia during June 2017. Dr. Jain conducted sessions for PhD scholars on Research Methodology and Intercultural Marketing. Dr. Jain also interacted with faculty members and explored opportunities for collaboration with the said University. Dr. Jain also visited Szechenyi Istvan University, Hungary and met Vice Rector for International collaboration and Head of Hospitality and Tourism department of the said University. A proposal for exchange of students and internship of Hotel Management students has been worked out with the said University. The visit was partly funded by Endowment fund of the University. □

Seminar On “Waste To Profits”

A Seminar was organized by School of Hotel Management on the theme “Waste To Profits Through Reduce, Recycle, Reuse: Sustainable and Eco Friendly Practices in Hospitality Industry” with ISTD Jaipur chapter and Rajasthan State Productivity Council (RSPC) on 13th February, 2017. □

Holi Celebrations organized by School of Hotel Management in association with MUJ Faculty Club



A dinner meet was organized and managed by faculty and students of SHM to celebrate Holi along with faculty club of MUJ on March 10, 2017. The event saw participation of a good number of faculty along with their family members. The participants of the event enjoyed with colors and a host of performances from faculty members. □

News from School of Computing and Information Technology

Summer University Program at Ngee Ann Polytechnic, Singapore



A collaborative summer University Program- 2017 was organized at Ngee Ann Polytechnic, Singapore from 03 July, 2017 to 14 July, 2017 between Manipal University Jaipur (MUJ), University of Applied Sciences, Switzerland and Ngee Ann Polytechnic, Singapore.

SUP objective was to get international exposure to our students and faculty in terms of knowledge sharing, to know teaching environment, subject expertise and cultural exchange. 8 students were participated. SUP strengthen the learning process through problem identification with hands-on in real time image identification in MATLAB as well as in C programming language. □

MUJ - CSI Student Branch Inaugurated



Manipal University Jaipur (MUJ), an Institutional Member of Computer Society of India (CSI), inaugurated MUJ CSI student branch on 28 Jan. 2017 under the able guidance of Prof. Sandeep Sancheti, President, Manipal University Jaipur, Chief Guest Prof. Vijay Singh Rathore, Chairman, Student Chapter, CSI and Prof. Rajveer Singh Shekhawat, Director, School of Computing and IT, MUJ. At present 85 students of Manipal University Jaipur are the members of CSI. Faculty members and students of Manipal University Jaipur attended the inauguration ceremony. Later, all the CSI student members took oath. Prof. Vijay Singh Rathore, Chairman, Student Chapter, CSI briefed students about the various benefits of having CSI membership. Prof. Sandeep Sancheti, President, Manipal University Jaipur educated students about the importance of having membership of various professional bodies like CSI, IEEE, ACM etc. in the career. □

IoT Solutions using Azure A Three days FDP at MUJ



Microsoft in collaboration with Manipal University Jaipur conducted a 3 days (27-29 June) Workshop on “Design and Building of IoT Solutions using Azure”. The event was coordinated by the School of Computing & IT. The objective of the course was to provide fundamentals of IOT and Azure along with hands-on practice for implementing some real-life examples. The necessary IOT hardware (Raspberry Pi 3 and sensors) and Microsoft Cloud (Azure) and related

development tools were provided by Microsoft. About 35 engineering faculty and a number of students participated in the training. Dr. Vinnie Jauhari, Director, Education Advocacy, Microsoft Corporation (India), who had kindly agreed to conduct the workshop, specially travelled to Jaipur to encourage the participants and also to share the future cooperation that Microsoft plans to have with MUJ. A number of initiatives being driven by Microsoft were discussed by her in a meeting with the President of MUJ, Prof. Sandeep Sancheti and Director, SCIT, Prof. R. S. Shekhawat. □

Prof R. S. Shekhawat visited the CESI France



Professor Rajveer Singh Shekhawat visited the head quarter of CESI in Paris, he delivered an expert talk on smart grid and embedded systems at CESI, France. CESI mainly focussed on the Sandwich program with industry and the Information Technology degree program.

Prof. Rajveer visited various research labs like “Thinking Lab”, Fablab and Smart Building structure which was a modular design and is being used for testing various concepts for making smart buildings. CESI – MUJ will be looking upon the student exchange programme, faculty exchange and sharing of ideas through joint project on smart buildings. □

- Prof V S Dhaka received project grant from SERB (Science and Engineering Research Board), DST, New Delhi for interdisciplinary project with Chemistry Department. Title of Project “Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques”. Total Grant Sanctioned is 68Lacs for next 3 years. □
- The Head of CCE department Prof V S Dhaka is awarded with “World Eminence Awards-2017 for Leading Research Contribution in ICT” at WS4 Conference in London on 15th Feb, 2017. The event was supported by CSI, Microsoft Innovation Centre and GR Foundation. □
- Prof V S Dhaka Chaired a Technical Session and Delivered Keynote Address during prestigious World Conference on Smart Trends in Systems Security and Sustainability (WS4 2017) at London, Feb 2017. □

M.Tech (Advance Computing and Data Science) Introduced



The orientation session of the first batch of M.Tech program was held on 14 August, 2017. The programme started with welcome address by Prof (Dr.) Rajveer Singh Shekhawat in presence of Hon'ble President Prof (Dr.) Sandeep Sancheti and complete M.Tech (ACDS) team of MUJ and Shri Aditya Sinha with his C-DAC team at Pune through Video Conferencing. Prof (Dr.) Sancheti highlighted the recent challenges and opportunities in the field of Data Science in market and discussed the expectations of industries.

Mr. Sinha, Principal Technical Officer C-DAC (Centre for Development of Advanced Computing, Govt. of India) later presented a brief view on data science through Skype. He enlightened the students about the mode of delivery of this course, where each subject will be covered in three weeks by the experts from C-DAC at MUJ campus and it would be interactive session. □

News from Dept of Mechatronics Engineering



The IEI Mechatronics Students' Chapter organized a seminar to elucidate the IN-CAMPUS TRAINING PROGRAMME on IOT using Raspberry pi with Python, Linux and networking on 12th of January, 2017. The seminar, conducted by TechieNestPvt Ltd in association with nVision, IIT-Hyderabad, was attended by 80 enthusiastic students eager to learn about the course and the workings of the workshop. □

"The best computer is a man, and it's the only one that can be mass-produced by unskilled labor."

— Wernher von Braun

Event at Annual Technical Festival



A 3 stage event conducted by IEI Mechatronics in the Annual Technical Festival of Manipal University Jaipur 2017. The event involved a maze that had to be crossed in the least possible time. The second stage was a Tic-Tac-Toe game that had to be played using the bots. □

Students Achievements

- Four students got selected for higher studies in TU-HAMBURG Germany, Netherlands University of Twente, TU-Delft Netherlands, and University of Melbourne. □
- Two B.Tech student's Mr. Ayush jain and Ganesh Raounder the guidance of Dr. Manish Rawat paper has been accepted for presentation at the 2017 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2017) which is going to take place from 10 -13 December at Suntec Singapore. The paper is titled as "Memetic Algorithm to optimise the level of Repair and Spare Parts for Fleet System". □
- Two 3rd year Mechatronics students have completed their two months internship from France and Italy in the field of optical digital circuits. □

National/International/Conference/Journal/ Endowment Fund

- The Department of Mechatronics engineering has published no. 10 of conference paper and Journal in the year 2017. □
- Two Faculty members from the mechatronics dept. have received Rs: 200000 amount approx., in the endowment fund this year. □
- A patent has awarded to Dr. K.K.M. Pandey by United State Patent and Trademark office to increase the information storage capacity of Hard Disk Drive and Solid State Drive. □

Summer Project by IT Dept on Machine Learning

The IT department organised Summer Project on Machine Learning with participation from Across Manipal, first International Conference on Smart System Innovation and Computing, Faculty Development Program on "Computational Intelligence: Machine Based Learning" and on 'Intel Code' Optimization Using High Performance Computing, Manipal University Jaipur's First Ted-X version.



The department also organised a series of organised lectures by Prof. Venugopal Govindaraj distinguished professor of CSE, University at Buffalo, SUNY, USA, and an invited talk by Dr. Surendra Pal, VC Defense Institute of Advanced Technology Pune and also by Dr. Santanu Choudhary, Director CEERI Pilani on “Cognitive IoT”. Prof. Dr. Ajay Gupta Western Michigan University Kalamazoo, MI, USA, also delivered a lecture. □

Department of Electronics & Communication Engineering



The international conference Computer, Communications and Electronics (COMPTELIX-2017) was organized at MUJ in collaboration with Malviya National Institute of Technology, Faculty of Science and Technology, Keio University Japan, Belarusian State University, Minsk, Belarus, University of Tunis El Manar, Tunisia. Dr. Rim Cherif, OSA Visiting Lecturer, University of Carthage, Tunisia and Dr. Anton Bourdine, SPIE Visiting Lecturer, PSUTI, Russia were invited.

Department also organized a series of three expert lectures to enlighten the faculty members and students. Prof. S.K. Mishra, CMD spoke about BrahMos Missile, Major General Sandeep Sharma spoke on Cyber Security and Dr. Nitin Jain, Founder and CTO Anokiwave, Inc., USA talked about 5G technology and its challenges and solutions. □

Department of Electrical Engineering

The department organised an Industrial Visit to Jaipur Metro Rail Corporation (JMRC) for Electrical Engineering Students to get a technical overview. Students and Faculty members explored practical operations related to machinery utilized in Jaipur metro, suspension system, braking system and control room operations.

Another industrial visit to United Transformer Manufacturing Company, Jaipur to gain an insight into innovative and industry oriented projects on transformers was organised by MUJ.

First International workshop on “Marketing, Strategy and Policy for Energy, Rural Electrification, Health and Sanitation” in association with Special Interest Group (SIG) was organized by MUJ. The workshop focused on topics like technology for remote management, rural energy & electrification, energy management, food & sanitation.



University of Kent, Multinational Enterprise merge UK & Lappeeranta University of Technology Finland participated in the workshop. One more workshop on “Industrial Automation & Drives” (IAD 2016) was organised by MUJ.



One Day Seminar on “Renewable Sources of Energy” (RSE 2016) was organized by MUJ. Dr. T.D. Senguttuvan, Principal Scientist, NPL Delhi talked over Energy harvesting by thermoelectric at low temperature followed by a talk on Feasibility of solar energy for rural applications by Dr. S. N. Sharan, Director SEEC.



Dr. Amit Soni received International Award for Teacher Introducing New Dimensions in Technical Fields in 8th International Conference on Human Values in Culture in Literature organized by Maharshi Dayanand Saraswati University Ajmer. □

Mechanical Engineering



The Department of Mechanical Engineering received a number of grants from different agencies for research and development. Prof. (Dr.) N. N. Sharma received a research grant of Rs. 52.22 Lakhs from department of Bio-Technology Govt. of India for the project “Development of soft

printing system for DNA microarray chip fabrication using EWOD. Dr. Sanchita Bandyopadhyay-Ghosh received external Research Grant from DST-SERB of Rs. 36 Lakhs. Dr. Dharmendra Tripathi, Associate Professor, Department of Mechanical Engineering received International Travel Grant by SERB, DST



Dr. Subrata B. Ghosh and Dr. Dharmendra Tripathi, Associate Professor, Department of Mechanical Engineering received President’s Award by Manipal University Jaipur for excellent and dedicated contribution to MUJ.

The department also organised International Symposium on Micro Machining & Machinability and Faculty Conclave in association with IUCEE.

Chemical Engineering



Dr. Abhishek Sharma of the chemical engineering department received **research grant** of 46.6 Lacs from Bharuch Enviro Infrastructure Limited to work on “Municipal Solid Waste Conversion to Fuel and Energy” project for 3 years.

Besides he also received another grant of 7.5 Lacs from Curtin University Australia to work on an ongoing AISRF project on “Integrated technologies for economically sustainable bio-based energy”.

Dr. Abhishek Sharma addressed a number of invited talks. He gave a talk on Biofuel Event, conducted in MNIT Jaipur by Biofuel Authority Rajasthan to celebrate the Biofuel Day. He also addressed students and faculty at National University Singapore on topic “Conversion of agricultural residues/solid wastes into fuels with combined heat and power”.

Dr. Abhishek Sharma presented a technical talk in an International Conference in Nice, France on topic “A novel biomass pyrolysis process for production of biofuel with combined heat and power”. □

Department of Architecture

The school of Architecture and design is ranked II in the category of excellence by the Global Human Resource



Development Centre Pvt Ltd for the year 2017. The department has also achieved another distinction with Prof (Dr) Madhura Yadav as the recipient of

Distinguished Faculty in Architecture 2017 for the contribution and achievement in the field of Sustainability in Architecture by Venus International Foundation.

The department also organized study tours to Maharashtra, Rajasthan, Tamil Nadu for 1st, 2nd and 3rd year students to enable students to observe and appreciate the architectural



worth of historical and modern buildings.

On March 22-23, 2017, a two day workshop was organized by Prof. Kishore Rewatkar

(P.I.A.D.S, Pune) on modulation of architectural forms and elements. The design faculty of MUJ also contributed to the



workshop by helping students assemble simple forms to create complex yet meaningful structures around the guidelines given by Prof. Rewatkar.

Besides, ten students from Manipal University Jaipur visited ZONASA'16 under an observer status to attend and be a part of the extravagant architectural event at Manav Rachna International University Faridabad from 2 - 5 November 2016.



“We shape our buildings; thereafter they shape us.”

— Winston Churchill

Students Opinion

Feature by- Lavanya Sisodia and Sudhir Pratap Singh Shekhawat

Life at college is a lot different than school. Your freshman experience will definitely make an impression on you and it will be more dramatic for those living away from home. The time in general is filled with wonderful discoveries, little anxiety, excitement and anticipation.

“College is all about your hardwork” says a BJMC first year student. The first thing they experience is workload and also to be on their own, they are their own boss more or less 24 hours a day.

College is the time one starts thinking about their future, career and lookout for role models. Sometimes a senior or a professor could also be inspiring.

Going to college is more about finding who you really are as it is about getting a degree. Sometimes the expectations are met and sometimes not.

“We have the coolest seniors, infrastructure and faculty here at MUJ” said another student of MJMC first year. The facilities provided and the quality of food is all so fine in the campus. A large variety of food is available here at different eateries and if we talk about the facilities you can gym, play any sport and join various clubs of your interest.

College gives us an opportunity to make new friends, interact with a lot of new people with different College friendships are usually more satisfying and long term if you choose your friends with care, as freedom comes with responsibility.

“Give respect, take respect” said a B.TECH first year student. Here at the campus seniors and juniors enjoy the same level of freedom.

All fresher are convinced with the fact but they couldn't have found a more peaceful college environment. □

Zindagi (The Life)

-Rukmani Mahendra

Life is like a garden which is filled with flowers and thorns both. Flowers are like happiness and thorns are like sadness. Flowers spread fragrance and lights up the mood. Thorns are unwanted. But there is a rule that flowers and thorns grow together. We can't separate them. They are like two sides of a coin. Neither heads nor tail is good or bad, it all depends on what we choose. It's not in our hand to change what comes either heads or tails.

Why should we stress over something we can't control? You can't stop the blowing wind. You can't turn the day into the night. You can't change the rotation of the earth. So, just relax. Sit back and enjoy the natural phenomenon of life. Happiness, sadness, anxiety etc. whatever comes to you, embrace it. Who knows it turns good. This is the circle

of life. The god is the Gardner of this garden like life. Gardner is responsible for taking care of our lives. But he doesn't have control on the nature of flower and thorns. Neither he can turn a rose into a marigold nor can he change a flower into a thorn.

We are the way we are born. That is why we differ from each other. And it is such a tremendous art. Why a marigold should aspire to be a rose? Or vice versa. Both hold their own importance and demerits. Rose has thorns and marigold doesn't has much good fragrance. But where a rose is used as symbol of love, marigold is used to show devotion to god. They can't replace each other. With time every flower blossoms. Everything in the universe has particular time and place to happen. We should try to live it to the fullest, who knows who plucks you. Or you can even die. But that's nature. Sometimes feel the beauty of this garden like life. May be the pleasant fragrance is coming from you! □

"You see a wall, I see a canvas."

-Nandini Sharma

Sometimes profound, sometimes meaningless, sometimes thought provoking, sometimes it is just some lines scribbled on paper, art is something that cannot be categorised or be limited.

People express themselves in various ways and art is not a slave of just one typical type of expression, it can be expressed through paintings, poetry, dance or any kind.

In Manipal University, there is one such student who finds meaning in all forms of art, be it visual or performing arts.

Kartik Thakur, of mechanical engineering fourth year, has been a core committee member of Cinefilia, the theatre & dramatics society of MUJ - teaching and practising theatre for the last three years.



Kartik, not only acts but paints too. He started writing on walls as a kid & somehow didn't stop as he grew up. This artist's canvas was and still is all over your eyes can see. So when he's not studying engineering (which is like most of the time), he paints awe striking murals in cafes and houses for fun.



Kartik paints his beloved ones on canvases and gives them meaning and life. He is not confined to painting on walls & canvases but prefers whichever medium he can put his hands across. For instance, he collected the best pages of Harry Potter & painted his girlfriend on it, on her birthday just because she loved Harry Potter!



As a humble social worker, he aims at converting dirty poster clad & urinal walls into beautiful street art. He recently painted a dilapidated school wall in Dehmi Kurd village with a group of volunteers, under the aegis of Green Club of our college, promoting the girl child and women empowerment.

Kartik does not have a formal training in fine arts, an innate talent that is growing ever since.

For the first time in MUJ, he introduced a unique form of art "CelloGraffiti" at techIdeate'17, just because the college didn't allow painting on walls. Along with his friend, Soumik Dutta former Journalism student. he incorporated cellophane paper into his canvas instead. Also, his life size

painting of Eminem was displayed at our cultural fest Onieros.



Kartik's talent is not limited to just paintings or theatre. He believes in the power of word & writing. From walls of schools of his home town to Dehmi Malan to Manipal hostel rooms, to scribbling his thoughts on paper, his journey has been a colourful one. □

Fraternity Clubs of MUJ

-Akshat Bhatnagar

Manipal University is one of the renowned university in Jaipur city. It has world class infrastructure, state-of-the-art research facilities, production studio with the best equipment and modern library. Being an inspiring leader in the fields of education, research and healthcare, Manipal also offer its students a chance to be members of various Fraternity Clubs. These clubs become the surrogate family member for the students which helps them to grow and explore their talents other than academics.

Spicmacay is the club that brings youth together and introduce them to classical and folk music and dance. Spicmacay is an international organization that promotes culture by showcasing local and international artists. The greatest living exponents of these art forms travel to schools and colleges throughout the country demonstrating and teaching Indian culture. This provides an opportunity for the students to interact with the artists and benefit from their experiences.

Aperture is the photography club of the college. Aperture gives the opportunity to students to enhance their photography, cinematography and designing skills. Since the college holds a lot of events, this gives the students get hands on experience and make portfolio in their skills. Whether the students are hobbyist or professional, they get to exhibit their work in exhibition held by Manipal.

Cinefilia is a student's club for promotion of cinema and theatre arts among the youth. It teaches the students the art of performing, acting, writing and directing. Students from various branches comes together, each of them with their

own skills and make short films, documentaries, stage plays, street plays.

With all these cultural clubs, Manipal also has a NGO called Gramiksha. "Be the change you wish see" – Mahatma Gandhi. Gramiksha works in the fields of community development, child welfare, education and literature. Their projects include Udaan, which translates to uplift to greater heights focuses on promoting extra-curricular activities in school and to develop personal and social qualities in students. Jagrukta, it means alertness or awareness. Through this project, members bring into limelight a clearer picture of what these children go through and feel to a modern educated society which has turned a blind eye towards them. They believe in doing so through various art forms like poems, articles, paintings, photographs as art can change and motivate many minds.

Indeed, a student has much to look forward to on the Manipal University Jaipur campus, besides classroom learning, and laboratory practical sessions, or even regular dives into library shelves. With these Fraternities clubs, students are engaged in many activities 24x7 and it helps them to socialize with other students.

There are Technical clubs as well such as Wings which brings aviation enthusiast from engineering background and assist them in exploring and learning, and thereafter working on innovative projects ranging from RC Planes to multicopter in collaboration with like-minded individuals. There is robotics club as well which aims at making something that has a mind of its own like humans and can do various stuff that a human can do. The club involves the student community who derive pleasure in creating robots that may even be potent to work without human intervention. □

Our First Trophy

-Shubhita Shara

Students are the life of any university, the backbone to the structure, the benchmark of success to that beautiful small world within.

Established in 2011, Manipal University Jaipur has seen itself growing and climbing the ladders of success, already setting a benchmark in India. Having incorporated more than 10 departments of study, each department's dedicated hard work have had something or the other to make the university proud since ever.

To mention one important among such achievements, from the LAW dept. 3 law students, Harsh Khandelwal, Vidhi Jain, Savita Nathawat, scored the first trophy ever till then, for the department of arts & the college. They scored the

runner up position in the "6th Indraprast national moot court competition" held in Delhi last year in AUG.

Undivided attention & the urge to achieve, paved the path to their success, making the whole department and university proud.

16 teams from the best of the colleges all over the country participated, among which only 8 could reach the preliminary round, 4 to semi-finals, 2 to the final round which included our team of 3.

Not a few weeks but, it took months for them to prepare for the moot & the university was generous in granting unrestricted access to the library. Also without the full support of the teachers & other miscellaneous services, it couldn't have been possible for them to earn all of that respect that they did.

The talent of the students is acknowledged and is moulded in just the right way, making our students competent enough to be able to compete with the students of the top colleges from all over the country.

Here's to the heroes of the university! Surely everyone who graduates from here would have the feeling of satisfaction & self-esteem within them when they leave. □

Departmental Activities

हिंदी विभाग

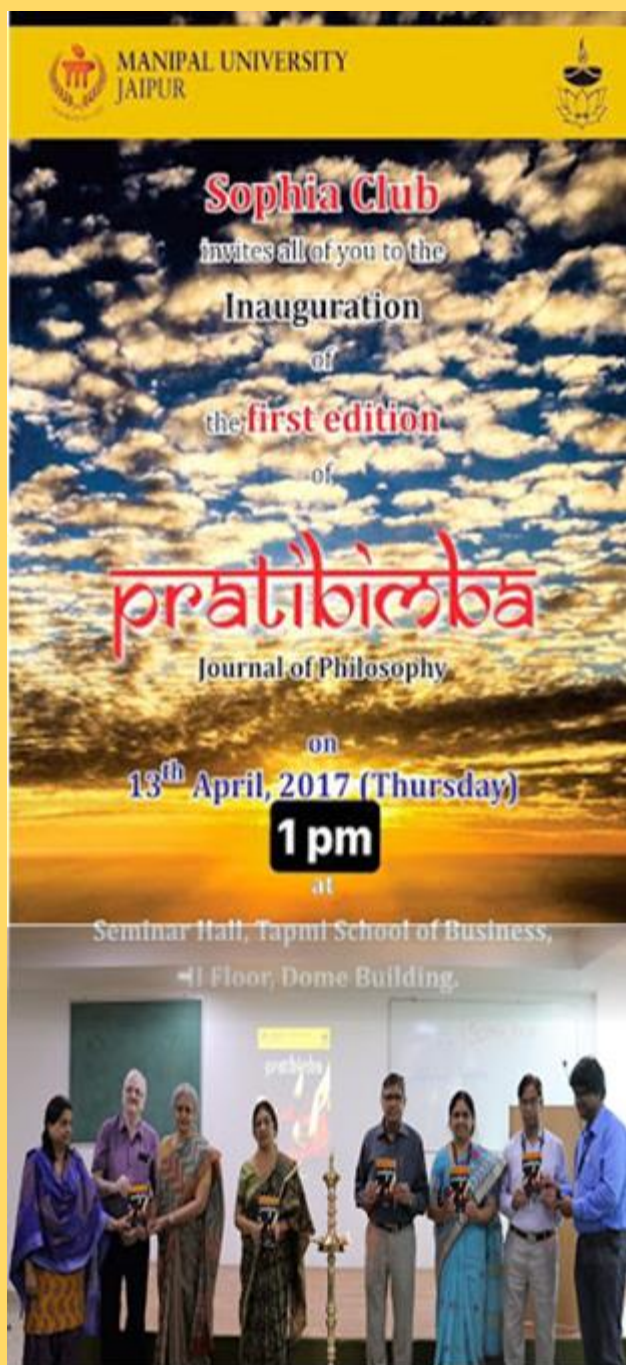
प्रो.(डॉ) कुसुम शर्मा के निर्देशन में शोधार्थियों द्वारा लिखित शोध पत्रों का प्रकाशन अंतर्राष्ट्रीय शोध पत्रिका में हुआ जिनका विवरण इस प्रकार है -

1. "नागार्जुन के उपन्यासों की उपलब्धियाँ एवं सीमाएँ", शोधार्थी - प्रियंका यादव, 'प्रिंटिंग एरिया' अंतर्राष्ट्रीय बहुभाषिक शोध पत्रिका, ISSN - 2394 5303, issue -31, vol - 01, UGC approved jr. no. 43053
2. "आधुनिक मनीषी कन्हैयालाल सेठिया के हिंदी काव्य में रस योजना" शोधार्थी - आशा प्रजापत, 'प्रिंटिंग एरिया' अंतर्राष्ट्रीय बहुभाषिक शोध पत्रिका, ISSN - 2394 5303, issue -32, vol - 02, UGC approved jr. no. 43053
3. "जगमग दीपज्योति पत्रिका में अभिव्यक्त सामाजिक चेतना", शोधार्थी - श्रवण कुमार खोड़ा, 'प्रिंटिंग एरिया' अंतर्राष्ट्रीय बहुभाषिक शोध पत्रिका, ISSN - 2394 5303, issue -32, vol - 09, UGC approved jr. no. 43053 □

TAPMI School of Business

A two day Product Carnival was organized at MUJ by TAPMI School of Business. The event was inaugurated by Dr. N. N. Sharma, dean Faculty of Engineering. A total of 15 stalls were organized offering various products like food, beverages and clothing, accessories, game zone etc. The staff and students enjoyed the products and delicacies served by the students of TAPMI, they also shopped for various goods offered. □

**Release of PRATIBIMBA (Journal of Philosophy)
on 13 April 2017**



Interactive session on “Liberal Arts”

An interactive session on “Liberal Arts” was organized by the School of Humanities and Social Sciences (SHSS). Mr Yogesh Atal, sociologist, currently Emeritus Professor at the Madhya Pradesh Institute of Social Science and Research, Ujjain was the chief guest for the session. He discussed the opportunities in the field of Liberal Arts and the importance of learning and research therein. Mr. Yogesh Atal stressed that the stream of Liberal Arts is an emerging stream as it offers scope for lateral thinking and is becoming a new favourite at University education. □

Department of languages – Report

The department of languages organised a series of invited speaker talks for the benefit of the students and faculty of the department.

Ms. Gayatri Chatterjee, visiting faculty Symbiosis School of Liberal Arts, Pune, delivered lecture on “Envisioning the Liberal Arts in the 21st Century.” Ms. Gayatri Chatterjee, in her talk expounded many virtues of liberal arts education, like student to be able to write clearly, express oneself with conviction and articulation, and above all, to be an independent critical thinker. She said that the modern day humanities education had to rejuvenate itself not only to remain relevant in the dynamic academic world but also to give society critical thinkers.

Her lecture was followed by a detailed discussion with the faculty involved in the designing of the liberal arts curriculum. In what was a brain storming session, she discussed the foundation courses in detail with each faculty and gave her valuable suggestion and advice which were later incorporated. In the last session of her talk was an interaction with the research scholars of department in which she gave suggestion on possibilities of research on cinema, art, history and literature etc.

Prof. N. Krishnaswamy, Former Professor of English, CIEFL, delivered a lecture on “Roadblocks on the Road to Communication. Prof. N. Krishnaswamy, focused on the barriers to communication and pointed out that communication is a complex process and Language in itself, which is a tool for communication forms a barrier because meaning is very slippery, is inadequate. He also said many creative writers have experimented with several techniques to compensate for the inadequacies of language and technology too kills human communication since it is deficient in body language and other means of expressing emotions. Prof Krishnaswamy said that generation gap, gender differences in the communication styles of men and women, stereotyping, perception levels, etc. also create barriers to communication.

Prof. Lalitha Krishnaswamy, in her lecture on “Do Men and Women Communicate Differently? The Pragmatics of Genderlect” pointed out that the statement that ‘Men are from Mars and Women are from Venus’ is true as far as the differences in communication styles are concerned. She added that women's communication is more based on the idea of consensus but men's communication is based on status. Women communicate to express more emotions but men do not express emotions easily.

Prof Jasbir Jain in her lecture titled in “Pursuit of Excellence” enlightened the gathering on the role of environment in tapping the potential of an individual. She highlighted the role of ‘will power’ in overcoming the shortcomings of environment and how important it is to go beyond the given in pursuit of excellence. The eminent speaker also focused on ‘self-image’, ‘shaping agencies’ and the ‘excitement of exploration’. □