

AU TALK

VOLUME 9 | 12th JANUARY 2023



May Health, Hope, Peace and Everlasting Pursuit of New Summits of Knowledge inspire us in the New Year also!

“Happy New Year 2023”

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2nd Induction Programme for the Newly Recruited Faculty Members & Felicitations of Hon'ble Vice Chancellor on the Completion of Two Successful Years in Office

The University held the second Induction Programme for more than 140 new teachers appointed in the last two rounds of selections. The Vizianagaram Hall complex also witnessed the grand felicitation of Hon'ble Vice Chancellor, Prof. Sangita Srivastava, on the successful completion of 2 years in her Office. The programme took place in the evening of 12th December, 2022.



Prof. Pankaj Kumar (Dean College & Development) welcomed the guests. Prof. P. K. Ghosh (Dean Commerce), Prof. S I Rizvi (Dean R&D), Prof. Ashish Khare (In Charge ICT), and Prof. Heramb Chaturvedi spoke on the occasion. In her Induction address, Hon'ble Vice Chancellor said that although the recruitment process posed a lot of challenges, yet her determination, commitment and grit motivated her to sail through all odds for the betterment of the university. The university feels invigorated after the joining of new faculty members; it bustles with creativity and innovation.

WHAT'S UP ON AU CAMPUS



She advised the new recruits to foster a healthy teaching and research culture, contribute to the corporate life and make empathy a part of their attitude to reach out to those in need and in crisis.

The honourable Vice Chancellor ma'am's efforts have been praised by academicians, students and statespersons across the country. Prof. Sangita Srivastava is a class apart. She is a source of inspiration.

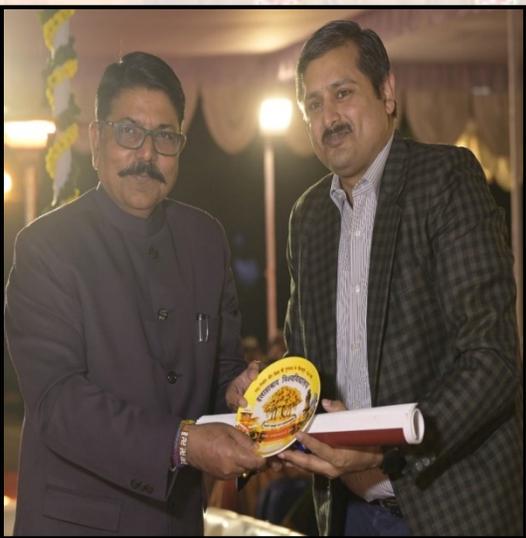


WHAT'S UP ON AU CAMPUS



- The programme was anchored by Prof. Jaya Kapoor and Dr. Sadaf from the Department of English and European languages.

- Four lawyers were felicitated for saving the faculty selection committee of the University.



WHAT'S UP ON AU CAMPUS



WHAT'S UP ON AU CAMPUS

Two young faculty members and budding Hindi poets, Dr. Vinamr Sen and Dr. Sujit Singh, recited poems.



Dr. Pratima Chaitanya from the Dept. of English and M.E.L. recited a poem and Dr. Mona Agnihotri from the same department sang a Russian song.

Dr. Rehnamol from the Political Science Department sang a song in Malayalam.



Prof. N. K. Shukla, Registrar, proposed the vote of thanks.

AWARD FOR EXCELLENCE

Award for excellence goes to Prof. Shekhar Srivastava



Prof. Shekhar Srivastava was born in Azamgarh, UP, on 28th June 1958. Prof Srivastava was awarded an M.Sc. degree in Chemistry in 1978 from the University of Lucknow. In 1979, he joined National Chemical laboratory, Pune as a JRF and after that SRF. He completed his Ph.D. degree on “Photoelectron Spectroscopy Study of Metal Complexes” under the guidance of Dr A. P. B. Sinha FNA, Director, NCL, Pune. Later, he joined CSIR New Delhi as Research Associate and pool scientist with Prof. M. M.Taqi Khan, Director, Central Salt and Marine Chemical Research Institute, Bhavnagar, Gujarat. In 1987, he joined as Lecturer in School of Studies in Chemistry, Jiwaji University, Gwalior (M.P.). In 1994, he joined as a reader in the Department of Chemistry, University of Allahabad. He was promoted as Professor in 2003.

He was Head of the Department of Chemistry for two years (2016 to 2018); Director, Sheila Dhar Institute of Soil Science for two years (2016 to 2018); Dean, Faculty of Science for three years (2019 to 2022);

Director, Institute of Interdisciplinary studies (2019– till date); Head of the Department (Biochemistry) (2021 to 2022); Head of the Department (Statistics) (2021 to till date); Officiating Vice-Chancellor (15-03-2021 to 04-04-2021).

Presently, he is a member of the Executive Committee, Academic Committee, Board of Studies (Chemistry). He was Chairman, Board of Studies, for two years. Prof. Srivastava is a life member of Indian Chemical Society, Kolkata, and Indian Science Congress Association, New Delhi.

He was awarded Shiksha Ratana Puraskar 2007 from India International Friendship Society, New Delhi and Best Citizen of India Award 2008 by International Publishing House, New Delhi.



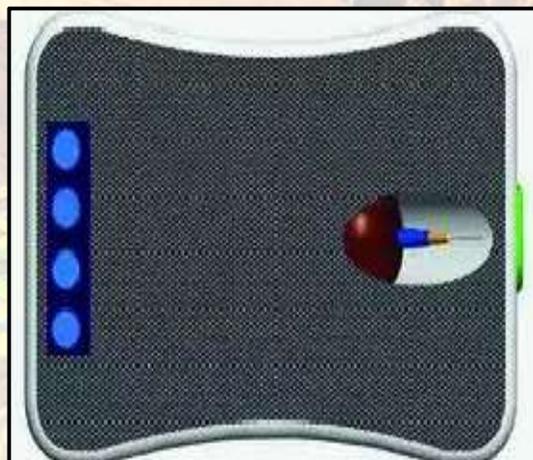
WHAT'S UP ON AU CAMPUS

He has published more than 90 research papers in national and international journals; he has published two single-authored, internationally well-known review papers on Photoelectron Spectroscopy in New

York, USA; he has also published two books. Prof. Srivastava has supervised 40 Ph.D. theses and 7 M. Phil dissertations. Recently, he has added a patent to his name.

| Design Application Details | |
|----------------------------|---|
| Application Number: | 353154-001 |
| Cbr Number: | 209819 |
| Cbr Date: | 15/11/2021 17:58:07 |
| Applicant Name: | 1. Mr.Rahul Kanaoujiya, 2. Prof.Shekhar Srivastava, 3. Ghulam Mustafa, 4. Mukta Singh, |

| Design Application Status | |
|---------------------------|---|
| Application Status: | Design Accepted and Published, Journal No is 53/2021 and Journal Date is 31/12/2021 |



Patent Summary

We have invented a new design of a Consumable metal complex delivering system in the body as set forth in the following specification. The claimed portion of the design of the consumable metal complex delivering system consists of a cabinet consisting of the consumable metal complex medicine; cabinet is attached to a syringe. The syringe is capable of collecting blood from the patient and to analyse the deficiency including iron, potassium, and others. Based on the analysis using Artificial Intelligence the device is programmed to inject the medicine to fulfil the deficiency. The device is equipped with a button to start and stop the device along with restricting the automated working of the device. The user can also manually command the device to activate the medicine injecting process along with restricting the automated dispensing of medicine if required.

EVENTS

Department of Commerce and Business Administration

A five-day Students Development Programme was organized in the online mode by the Department in collaboration with Bombay Stock Exchange Brokers Forum from 14th November 2022 to 18th November. More than 100 MBA and M.Com students attended the programme. The resource person of the programme was Mr. Muzibar Shaikh, Faculty at the DHP Financial Training Services and Capital Market. The SDP consisted of rigorous and informative sessions covering the topics (such as Stock Market Working and trading procedures, Fundamental analysis, Mutual funds and derivatives market) that critically covered different aspects of the Stock Market in India and its performance. The live terminal session on the last day of the SDP, which was conducted by Dr. Vinay Mavani, added the icing on the cake.



Prof. R.S. Singh, Head and Director, Department of Commerce and Business Administration, inaugurated the programme on 14th November. On this occasion, he said that the practical knowledge gained by the students will help them in developing entrepreneurial skills in this area. Dr. Anvita Raghuvanshi, Assistant Professor, Department of Commerce and Business Administration, was the coordinator of the programme.

Department of Commerce and Business Administration

TURNING OVER A NEW LEAF

By strengthening the old ties with Motilal Nehru Institute of Research and Business Administration, ICICI bank conducted a placement drive for the position of Deputy Manager. The company offered a package of Rs. 8.29 lakhs to the accomplished and skillful students of MONIRBA. The crux of placement was to establish that the students prioritize learning and find a new enclosure to begin their new journey towards an effulgent future.



The Placement drive was made possible under the diligent leadership of Head and Director, Prof. R.S. Singh, and the TPO, Dr. Ekta Verma. The ICICI bank successfully recruited 23 students of MBA final year. The names of the students are as follows: Aditya Kapoor, Aditya Maurya, Akash Singh, Akshita Verma, Amisha Pathak, Ananya Jaiswal, Arpit Agarwal, Ayush Srivastava, Kumari Siddhi Dubey, Mohammad Hamza Malik, Rupak Kumar Sahu, Samarth Srivastava, Deepak Singh Jadaun, Mohammad Abdullah, Harsh Singh, Faisal Ahmed, Estuti Gupta, Shifa Siddiqui, Vishal Kumar, Suryansh Singh, Smit Mishra, Devpriya Singh Sengar and Ratan Kumar Jaha.

Department of Commerce and Business Administration

The Placement Drive by ICICI Prudential

By strengthening the old ties with Motilal Nehru Institute of Research and Business Administration, ICICI Prudential conducted a placement drive to recruit accomplished and skillful students of MONIRBA for the profile of Management Trainee with a package of 7.5 lakhs. The drive was a two-way street where the company tried to procure the best of the talents and the students tried to assert their identity.

The Placement drive was made possible under the diligent leadership of Head and Director, Prof. R.S. Singh, and the TPO, Dr. Ekta Verma. The ICICI Prudential successfully recruited 8 students of MBA final year. The names of the students are as follows: Aditya Singh, Akanksha Kumari, Daya Shankar Prasad, Nikhil Rai, Prajwal Mishra, Shrinkhala Shubhra, Farhan Danish Khan and Kusum Kumari.



Department of English and Modern European Languages

The Xpressions Club of the Department of English and Modern European Languages of the University of Allahabad organised a skit programme in the Department on 15th December, 2022. The convenors of the event were Dr. Amarnath Kumar, Dr. Shibanur Rahman and Dr. Kanchan Chakraborty. The event was inaugurated by Head of the English Department, Prof. Sanjoy Dutta Roy. It was attended by the faculty members and students. Various thought-provoking social issues were taken up for performances by enthusiastic students. The intriguing themes of the skits included female foeticide, LGBTQI, modern education, etc. Apart from this, interesting dance and music performances were also presented. Towards the end of the program, the HOD congratulated all the participants for the amazing performances and distributed certificates and also declared the Xpressions Club as the official club of the English department for all literary events in the future.



दृश्य कला विभाग

दृश्य कला विभाग इलाहाबाद विश्वविद्यालय अंतर्गत भीषण आपदा काल खंड में दाखिल हुए इन युवा कलाकारों ने क्षितिज नामक कला प्रदर्शनी का आयोजन किया। इस प्रदर्शनी में MA, MFA,BA,BFA पाठ्यक्रम से संबंधित लगभग एक सैकड़ों विद्यार्थी सम्मिलित हुए तथा इनके द्वारा लगभग डेढ़ सैकड़े से अधिक (152 चित्र, 15 मूर्तिशिल्प) का प्रदर्शन किया गया।

युवा कलाकारों की कृतियों में असीम संभावनाएं छुपी हुई हैं जिसे इस प्रदर्शनी में देखा जा सकता है तमाम शिल्प और उसमें निहित बिम्ब यह प्रदर्शित करते हैं कि छात्रों को ना केवल अपने शिल्प में रुचि प्रदर्शित की है बल्कि वह विगत अनुभूति को भी कुशलता से व्यक्त कर रहे हैं।



यह प्रदर्शनी तीन दिवसीय दिनांक 12 दिसंबर 2022 से लेकर 14 दिसंबर 2022 तक चली तथा इस प्रदर्शनी को देखने के लिए प्रतिदिन सैकड़ों दर्शकों का तांता लगा रहा, सभी ने इस प्रदर्शनी की भूरी-भूरी प्रशंसा भी की। मीडिया जगत ने भी इस प्रदर्शनी को अपने सुर्खियों में उचित स्थान दिया।

प्रदर्शनी के समापन के अवसर पर माननीय प्रोफेसर आर.के. टंडन ने उदगार व्यक्त किए उन्होंने कहा कि "इस तरह के आयोजन ना केवल युवाओं के लिए प्रेरणा स्रोत हैं बल्कि शहर

की सांस्कृतिक विरासत को भी ताकत देते हैं" तीन दिवसीय चलने वाली प्रदर्शनी "क्षितिज"।

विशिष्ट अतिथि के तौर पर आर.के. टंडन उपस्थित रहे। साथ-साथ वरिष्ठ साहित्यकार डॉ. बसंत त्रिपाठी एवं रंग कर्मीव आलोचक डॉ. अमितेश, हिंदी विभाग, डॉ. विकास शर्मा, डॉ. प्रचेतस, डॉ. अनिल कुमार संस्कृत विभाग तथा अन्य अध्यापक, शोधार्थी, विद्यार्थी भी इलाहाबाद विश्वविद्यालय से उपस्थित रहे।



नवीन ऊर्जा की परिचायक इलाहाबाद विश्वविद्यालय की माननीय कुलपति प्रोफेसर संगीता श्रीवास्तव जी द्वारा नवाचार के लिए प्रोत्साहन तथा दृश्य कला विभाग के विभाग प्रमुख माननीय प्रोफेसर अजय कुमार जैतली के कुशल मार्गदर्शन एवं विद्यार्थियों के साथ किए गए सकारात्मक व्यवहार के फलस्वरूप इस प्रदर्शनी का सफल आयोजन पूर्ण हो पाया।

विभाग के प्राध्यापक डॉ. संदीप कुमार मेघवाल, श्री सौमिक नंदी एवं डॉ. सचिन सैनी का कुशल मार्ग दर्शन एवं निर्देशन भी इन विद्यार्थियों को प्राप्त हुआ, जिसके चलते यह प्रदर्शनी साकार हो सकी।

संस्कृत विभाग

8.12.2022 को पं.गङ्गानाथ झा पीठ एवं संस्कृत विभाग के संयुक्त त्वावधान में प्रोफेसर उमा कांत यादव (अध्यक्ष, संस्कृत विभाग) की अध्यक्षता में वर्तमान परिप्रेक्ष्य में ज्योतिष की उपादेयता विषय पर संस्कृत विभाग के ग्रन्थागार में प्रोफेसर गिरिजाशंकर शास्त्री (अध्यक्ष, ज्योतिष शास्त्र विभाग, काशी हिन्दू विश्वविद्यालय, वाराणसी) का विशिष्ट व्याख्यान आयोजित हुआ।

विशिष्ट वक्ता प्रोफेसर गिरिजाशंकर शास्त्री ने कहा कि ज्योतिष वेदाङ्ग का एक प्रमुख अंग है। उस की महत्ता के कारण उसे वेद का नेत्र कहा गया। प्राचीन काल से ही ज्योतिष मानव जीवन के विविध पक्षों से जुड़ा हुआ है। पर्व, त्योहार, तिथि गणना आज भी ज्योतिष के माध्यम से हो रही है। यह ज्योतिष शास्त्र मानव जीवन को उत्तम संस्कारों से संयुक्त करता हुआ उसे सन्मार्ग की ओर अग्रसर करता है।



अध्यक्षीय संबोधन करते हुए विभागाध्यक्ष प्रोफेसर उमा कांत यादव ने कहा कि ज्योतिष हमारे जीवन के विविध पक्षों से जुड़ा हुआ है। ज्योतिष शास्त्र वर्तमान काल में भी उतना ही प्रासंगिक है जितना प्राचीन काल में। अतः वर्तमान काल में ज्योतिष का अध्ययन परम आवश्यक है।

कार्यक्रम का संचालन डॉ. विनोद कुमार, संयोजन डॉ. निरुपमा त्रिपाठी, स्वागत प्रो. अनिल प्रताप गिरी एवं धन्यवाद ज्ञापन प्रो. प्रयाग नारायण मिश्र ने किया। इस अवसर पर डॉ. मीता बनर्जी, डॉ. विकास शर्मा, डॉ. अनिल कुमार, डॉ. तेज प्रकाश, डॉ. रेनु शर्मा डॉ. कल्पना, डॉ. नंदिनी रघुवंशी, डॉ. सतरुद्र प्रकाश, डॉ. दीप्ति विष्णु, डॉ. संदीप यादव, डॉ. ललित कुमार, डॉ. विमल कुमार, डॉ. सन्त प्रकार तिवारी, डॉ. आशीष कुमार, डॉ. राघवेंद्र मिश्र सहित विभागीय शोध छात्र एवं परा स्नातक के छात्र- छात्राएं उपस्थित रहे।

WHAT'S UP ON AU CAMPUS

Department of Mathematics

“National Mathematics Day” was celebrated in the department on the occasion of the birth anniversary of a great mathematician, Srinivas Ramanujan, on 22nd December, 2022. A lecture was organized by the department on “Contribution of Indian mathematicians in Mathematics.” The event organized was to raise awareness about Mathematics and great Mathematicians.

The programme was started by paying homage to goddess Saraswati. Prof. R.P. Shukla, Head of the Department, welcomed the guests. Dr G.C.S. Yadav was the coordinator of the event. Prof P.K. Singh, Dr B.K. Sharma, Dr G.C.S. Yadav, research scholars and undergraduate and post-graduate students of the department attended the lecture. Debate competition was organized.



Dr B.K. Sharma distributed prizes to first, second and third rank holders of the debate competition. Dr. G.S. Yadav extended the vote of thanks. The event was concluded with the national anthem.

National Centre of Experimental
Mineralogy and Petrology (NCEMP)

Making the Centre Proud!

Heartiest Congratulations to Prof. J.K. Pati for being awarded the prestigious SGAT (Society of Geoscientists & Allied Technologists) Award of Excellence, 2022. This award carries a Citation and cash prize. He was awarded a cash prize of Rs 10,000. The selection criteria for this award states that any member who has made outstanding contribution in mining, geosciences, mineral process engineering or whose work has helped in upgrading the quality of life in mining environment, or whose work has led to significant development of mineral resources of any region, state or country.



Department of Sanskrit

Dr. Raghvendra Mishra, Assistant Professor, the Department of Sanskrit, delivered a lecture on the topic "Indian knowledge system (NEP)" at Shyama Prasad Mukherji College (Delhi) on 23rd December 2022. The lecture given by Dr. Raghvendra Mishra was on how Sanskrit can be implemented in the Indian Knowledge System (NEP) by introducing new courses that can help students to study their Indian art and culture.



The Trailblazer

*She came with a vision, a plan in her mind,
To turn our University around, to make it shine.
With determination and grit, she set to the task,
And in just two short years, in her accomplishments, we bask.*

*She tackled the budget, made cuts where they counted
Increased enrollment and fundraising mounted
She modernized the curriculum, added new technology
And our students' success soared, with less disparity.*

*She brought in new faculties with fresh ideas to share
And a diverse and inclusive community, she did declare
She revamped the campus with updated facilities and design
And our students felt valued, and the University did shine.*

*Her leadership has been transformative, she inspires us all
And we saw the fruits of her labor with each newly achieved goal.*

*She set the bar high, and she reached it with ease
Her passion for education, her drive never ceased.*

*We are grateful for her service, for her tireless work, and dedication
And we stand in awe of the changes she has brought to our institution.*

*Thank you, Hon'ble Vice Chancellor, for you, we treasure
You have truly made a difference, and we are grateful beyond measure.*

- *Dr Arup Acharjee*
Asst Professor, Dept. of Zoology

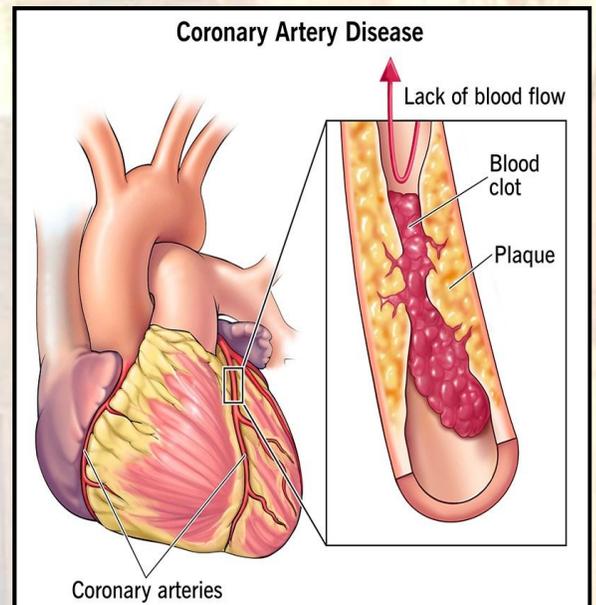
Type 2 diabetes and life-threatening associated vascular complications

By Dr. Pushpank Vats, Assistant Professor, Department of Zoology

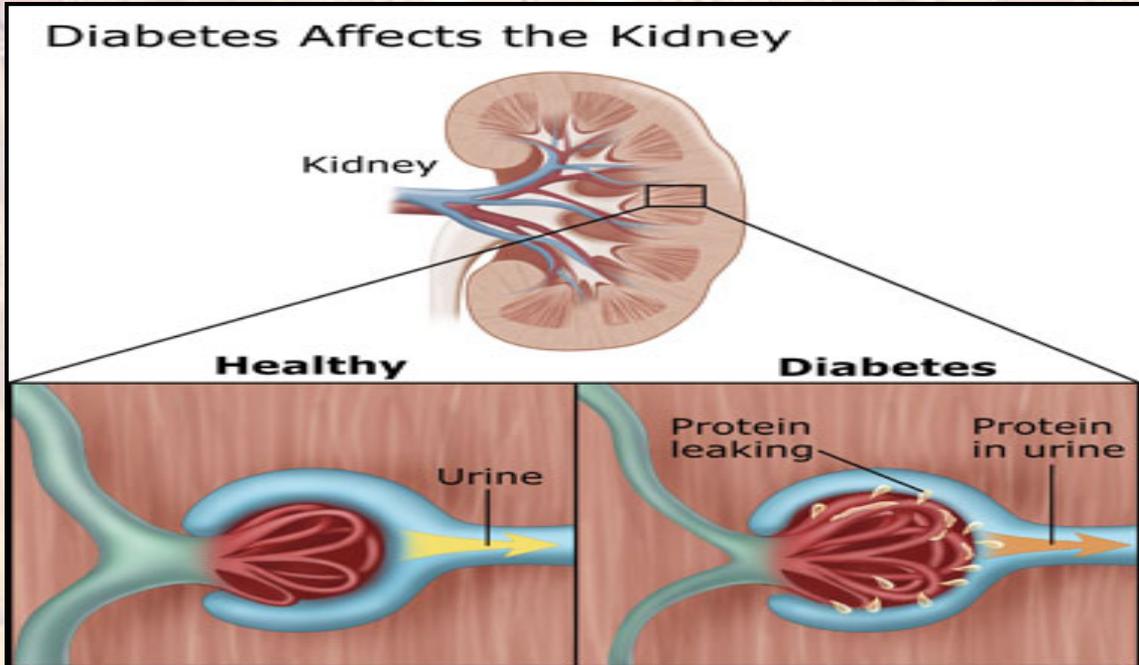
- Type 2 diabetes mellitus (T2DM) is a severe global health problem. It, by definition, is a heterogeneous, multifactorial, polygenic syndrome that results from insulin receptor dysfunction. The 10th edition of IDF (International Diabetes Federation) Diabetes Atlas, 2021, estimates that approximately 537 million adults (20-79 years) are living with T2DM. By 2045, this number will rise to 783 million throughout the world.
- In India, 74.2 million people have diabetes. The number is expected to be 124.8 million in 2045; it marks about a 70% increase. In India, 1 in 5 adults lives with diabetes, and 1 in 4 births is affected by hyperglycemia in pregnancy.
- An important aspect of diabetes is the management of sugar levels. If it is not properly managed, the condition may lead to diabetes-associated vascular complications. Diabetic vascular complications are a result of injuries caused due to high sugar levels, which may lead to adverse molecular changes [viz. High ROS (Reactive Oxygen Species), high inflammatory cytokines]. The vascular complications of diabetes are among the most serious manifestations of the disease.

Major diabetic vascular complications are:

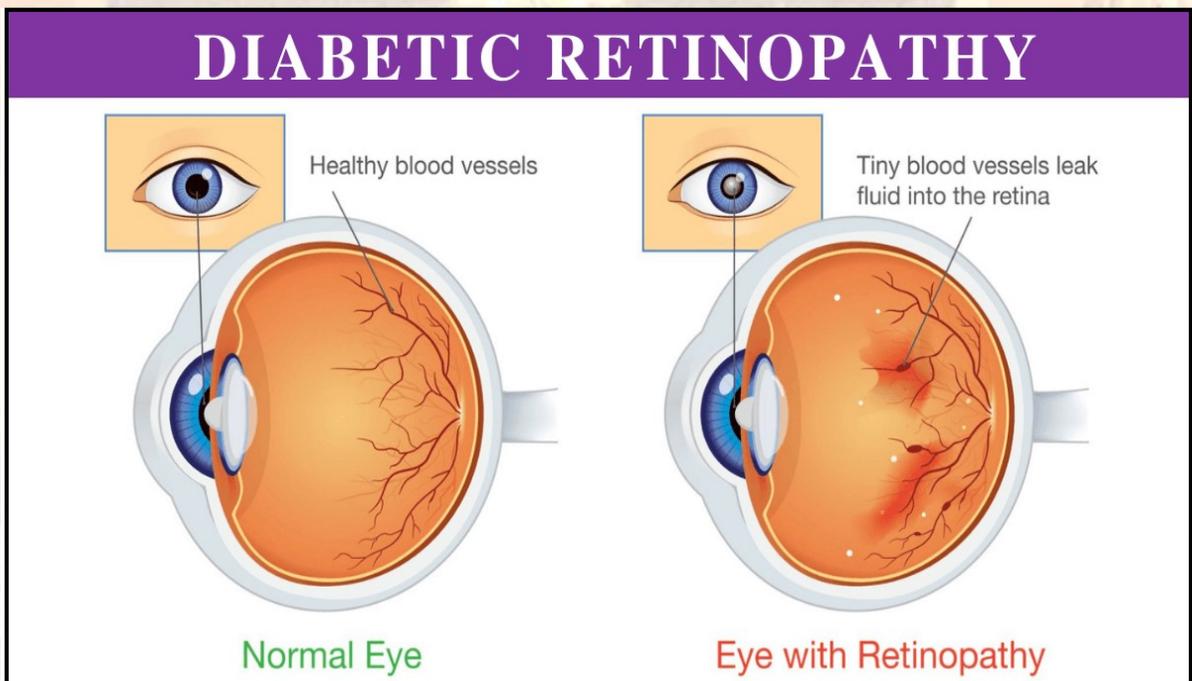
- **CAD (Coronary Artery Disease)** *Coronary artery disease is caused by plaque buildup in the wall of the arteries that supply blood to the heart (called coronary arteries). Plaque is made up of cholesterol deposits. Plaque buildup causes the inside of the arteries to narrow over time. This process is called atherosclerosis. Atherosclerosis is the main reason for impaired life expectancy in patients with diabetes.*



- *Diabetic nephropathy is a common complication of type 1 and type 2 diabetes. Over time, poorly controlled diabetes can cause damage to blood vessel clusters in the kidneys that filter waste from the blood. This condition can lead to kidney damage and cause high blood pressure. Diabetic nephropathy is the largest contributor to the end-stage renal disease.*



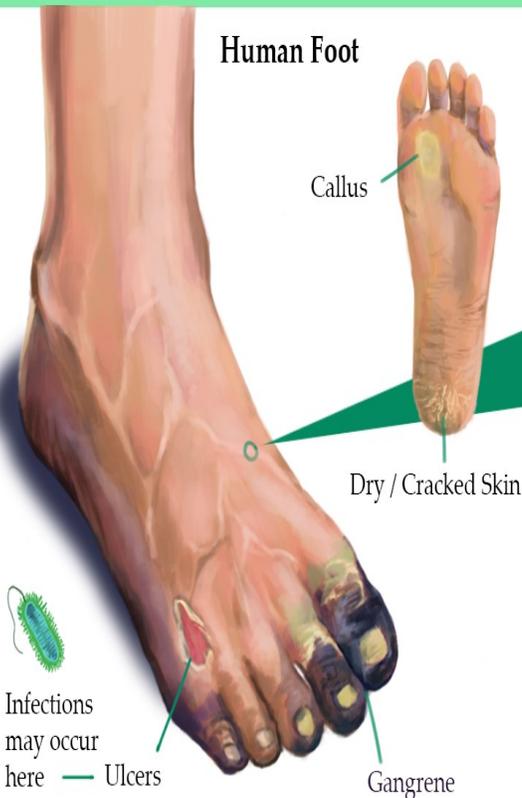
- *Diabetic retinopathy (DR) is a complication of diabetes that affects the eyes. DR is caused by damage to the blood vessels in the tissue at the back of the eye (retina). Poorly controlled blood sugar is a risk factor. Early symptoms include floaters, blurriness, dark areas of vision, and difficulty in perceiving colours. Blindness can occur. Mild cases may be treated with careful diabetes management. In 90% of cases, DR is preventable by early diagnosis and treatment.*



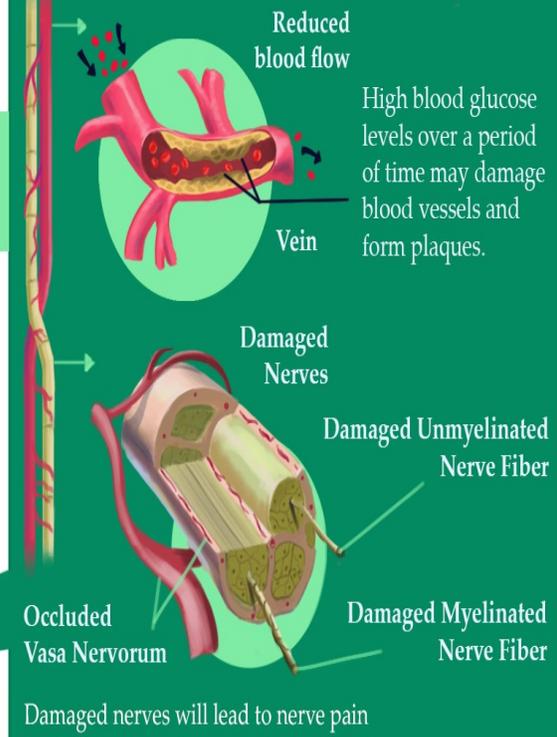
- **Diabetic Neuropathy is a type of nerve damage that can occur with diabetes. The condition most often affects the legs and feet. For some people, symptoms are mild. For others, symptoms can be painful, debilitating, and even fatal. Symptoms include pain and numbness in the legs. In more severe cases, symptoms include issues with digestion, bladder, and controlling heart rate. The treatment includes managing blood sugar and using medication to control symptoms.**
- **Diabetic foot ulcer and gangrene. Patients with diabetes mellitus also develop severe atherosclerosis of the small blood vessels in the legs and feet, leading to vascular compromise, which is another cause of diabetic foot infections. As blood cannot reach the wound, healing is delayed, eventually leading to necrosis and gangrene.**

Diabetic Foot / Gangrene

Diabetes is a health condition in which the blood contains an abnormally high amount of sugar (glucose) because the body generates insufficient or no insulin.



What happens inside a Diabetic Foot?



Other effects of diabetes on the human body



Editorial Board

The concept of AU Talk was a long cherished dream of our Hon'ble Vice Chancellor, and finally, her able leadership has given wings to this noble thought to fly and spread the message across. The idea behind this initiative is very original and has been taken up for the first time in the history of the university. It gives us immense pleasure that AU Talk adds an extra feather to its academic brilliance.



Patron: Hon'ble Vice Chancellor

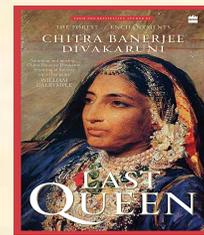
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Book of the Edition

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Movie of the Edition

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