

JULY, 2022



USHA MARTIN UNIVERSITY

NEWSLETTER

Quarterly | Issue III

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Department

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PRO-CHANCELLOR'S *message*



Regulation of higher education is one of the most desirable aspects of quality education. Though some regulating agencies overlap their areas of influence, accreditation is highly desirable. Because it gives confidence to the learner that they are studying in a reputed institution. UMU has recently obtained accreditation for its Diploma programmes in Engineering in Civil, Computer Science, Mechanical, Electrical and Electronics, Mining, and Mechanical. This will help our graduates to get jobs in government recognized institutions. We are now working towards obtaining accreditation from the National Assessment and

and Accreditation Council (NAAC) and the National Board of Accreditation (NBA). The university has highly qualified faculty members who have been able to publish good quality research work in high-impact factor journals of repute. Our primary goal is to deliver quality programmes with experienced academic staff utilizing modern state-of-the-art ICT enabled facilities.

As part of the curriculum, the university also supports educational visits of students to national institutes of repute. In this connection, mention may be made of the educational trip of Agriculture students – 2019 batch – to Bhubaneswar, where they gained hands-on experience of the theoretical principles under the watchful eyes of the experts.

The University believes in the all-round development of its learners. Towards this end we are thriving to provide facilities for sports such as volleyball, cricket, and badminton. UMU is also serious about Yoga practice and has observed Yoga Day on 21st June, 2022 according to the Common Yoga Protocol issued by the Government of India. Almost all members of the UMU fraternity enthusiastically participated in the programme. We are also almost ready with our Cricket ground to deliver first-class cricket matches in the coming months.

To discharge its responsibilities toward society, the university has been regularly organizing vaccination drives, blood tests, and health checkup camps.

PROF. SURESH C. GARG

VICE-CHANCELLOR'S *message*



It gives me great pleasure to share with you some of the many positives that the University has achieved between the time that we interacted through the first newsletter and this one. The university has initiated new programmes, successfully graduated its first research degree student, and obtained AICTE approval for its engineering diploma programmes. UMU is also now ready to welcome residential students, as our hostels for that boys and girls are now ready. We have also entered into three collaborations to improve your employability substantially through industry 4.0-oriented competency development initiatives.

While all of this is certainly good news, as a young institution, we have to scale many peaks and create many milestones. With the sustained efforts of your faculty and staff, I am very hopeful that you would, with your increased engagement in university activities as well as the extension activities that you participate in for the surrounding villages. These activities are the small steps in realising the aspirations that the university is in the process of becoming an institution of choice for the aspirants of higher education in the state and nearby regions. You will also have witnessed the steadily improving placement position of the university.

With the kind of input you receive at the university, coupled with the efforts at exposure to the world of work and your efforts to the head of the others less fortunate than you in terms of access to education, the university is trying to make a comprehensive effort to develop well rounded, responsible adults capable of contributing to the quality of their own lives, their families, the society and the country. The purpose of the university is not only to create employable graduates with usable skills but also to develop human beings capable of positively contributing to all those whose lives they touch, directly or indirectly. I sincerely hope to bet your time spent at this university, will be a happy and productive part of your growth story from an aspiring school pass-out to a confident and aspirations young adult

My best wishes to all of you.

PROF. MADHULIKA KAUSHIK

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Editor's *Note*

Much has happened on the academic front at Usha Martin University this quarter. In this newsletter, we have tried to bring a gist of all of that. The All-India Council for Technical Education accreditation is the highlight of the issue. Through this platform, the editorial board congratulates the Engineering Department and the university team that has worked relentlessly for this assent. Meanwhile, we are prepping up for National Assessment and Accreditation Council.

The University has also collaborated with Manupatra Database and Canon to train staff and students in acing their academic prowess which we have mentioned in the following pages. This newsletter also details of the first educational trip post-pandemic of the B.Sc. Agriculture students to Bhubaneshwar.

This issue has a record of our faculty members attending seminars and workshops of national and international importance, and their publications in reputed journals. Special mention may be made of Dr. Leena Srivastava, Deputy Registrar, who was recently invited to deliver her talk on Conflict Management and Motivational Concepts at the Administrative Training Institute, Ranchi, during a Training Session of newly appointed Deputy Collectors of Jharkhand.

In this issue, we have packed pictures and details of some important International Days observed at the University this quarter, including International Yoga Day, International Nurses' Day, World Environment Day, World Bicycle Day, and World Hepatitis Day.

I thank the editorial team for their passion and fervor in bringing out the newsletter with its exceptional quality every time for which we owe our readers, their contribution and readership.

Dr. Shahnaaz Zabi

FACULTY ACHIEVEMENTS

Guest Lectures

Dr. Leena Srivastava, Deputy Registrar, was invited to deliver a talk on Conflict Management and Motivational Concepts at ATI- SKIPA(Administrative Training Institute Ranchi) during a training session of Deputy Collectors of Jharkhand on 18th July, 2022. She was also invited to deliver a talk on Interpersonal relations & Team Synergies formation at Central Tassar Research & Training Institute during a Competency Enhancement Training Programme for Administrative Officers, Scientists and Technical Staff on 13th July, 2022.

Paper Publications

Tripathy S, Poddar R, Satapathy L and Mukhopadhyay K (2022). *Image processing based artificial intelligence system for rapid detection of plant diseases*. Bioinformatics in Agriculture. Next Generation Sequencing Era. 619-624 Elsevier publishers ISBN: 978-0-323-89778-5

R. Naresh Kumara, Mohini Vermaa, Jawed Iqbala and Shubhrasekhar Chakraborty (2022). *How much spatial and temporal variation in groundwater microbiology can occur following open dumping of municipal solid waste?* Water Practice and Technology, wpt2022066, <https://doi.org/10.2166/wpt.2022.066>

Sailesh Narayan et. al. (2022). *In-Vitro Antioxidant Effects and Antimicrobial Potential of Hydroalcoholic Extract of Boerhavia Diffusa*. World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) ISSN 2278- 4357; Volume 11, Issue 5, 2022; 1778-1789. (Impact Factor :7.632).

Anjana Sinha et.al. (2022). *Comparative Study of Medical Devices in USA, Europe and India*. Pharmaceutical Drug Regulatory Affairs Journal (PDRAJ) ISSN 2642-6315; Volume 5, Issue 1, 2022; 1-8. DOI 10.23880/pdraj-16000132

Kamaldeep Gupta, Sharmistha Roy, Ayman Altameem, Raghvendra Kumar, Abdul Khader Jilani Saudagar, Ramesh Chandra Poonia, (2022). *Usability Evaluation and Classification of mHealth Applications for Type 2 Diabetes Mellitus Using MARS and ID3 Algorithm*. International Journal of Environmental Research and Public Health, Vol. 19, Issue. 12, 6999, pp. 1-28, 2022. [SCIE Indexed]

Sandesh Jaybhaye, Nikita Shinde, Shrutika Jaybhaye and Himanshu Narayan; *Photocatalytic Degradation of Organic Dyes Using Titanium Dioxide (TiO₂) and Mg-TiO₂ Nanoparticles*. J Nanotechnol Nanomaterials. 2022;3(2):67-76.

PLACEMENT RECORD

Candidates Name	Employers Name	Department	Designation	Location
Shruti Shreya	Hello Kisaan	BAJMC	Trainee Anchor	Meerut
Nisha Kumari	Hello Kisaan	BAJMC	Trainee Content Creator	Meerut
Sneha Sharma	The Spectrum	BAJMC	Social Media Executive	Ranchi
Annu Priya	Jana Small Finance Bank	MBA	Business Development	Ranchi
Ashutosh Singh	Qspider	MCA	Executive	Bangalore
Mamta Kumari	Qspider	MCA	Scholar Trainee	Bangalore
Manish Kumar	Qspider	MCA	Scholar Trainee	Bangalore
Menka Murmu	Qspider	MCA	Scholar Trainee	Bangalore
Nishant Kumar	Qspider	MCA	Scholar Trainee	Bangalore
Shubham Kumar	Qspider	MCA	Scholar Trainee	Bangalore
Vivek Mahto	Qspider	MCA	Scholar Trainee	Bangalore
Ayushi Kumari	Wipro	BCA	Scholar Trainee	Kolkata
Akash Saha	Hindustan Times	BBA	Sales Executive	Noida
Himanshu Pandey	Hindustan Times	BBA	Sales Executive	Noida
Manish Singh	Hindustan Times	BBA	Sales Executive	Noida
Ravneet Singh	Hindustan Times	BBA	Sales Executive	Noida
Sanjeev Kumar	Hindustan Times	BBA	Sales Executive	Noida
Shriya Kumari	Hindustan Times	BBA	Sales Executive	Noida
Arunima	Hindustan Times	B.Com	Sales Executive	Noida

CAREER ORIENTATION SEMINAR ORGANIZED BY CHANAKYA ACADEMY



The Usha Martin University organized a career seminar in collaboration with the Chanakya IAS Academy, Ranchi, on 5th May, 2022. Mr. Sibal Bose from Chanakya IAS Academy addressed the students present during the seminar. He inspired and advised them about time management, diligence, right direction and potential. In his lecture, he motivated them to accept challenging situations while preparing for civil services examinations and suggested tips and tricks that would be beneficial in cracking the exam.

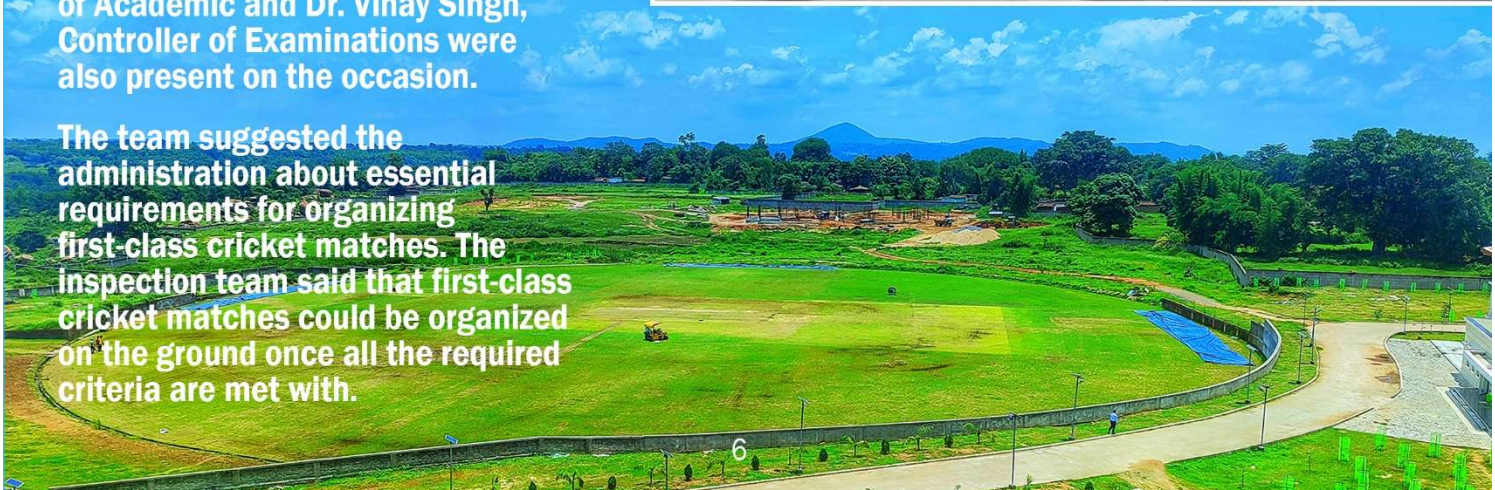
More than 150 students and University staff participated in the session. During the event, Dr. Anil Kumar Mishra, Registrar, who is also a former IFS officer, motivated the students.

JSCA EX-PREZ INSPECTS UMU'S CRICKET STADIUM

Jharkhand State Cricket Association's ex-President, Late Mr. Amitabh Choudhary and ex-Vice-President Mr. Ajay Nath Shahdeo inspected the cricket stadium being built on the University's campus. The inspection team visited the ground and inquired about its progress. Professor Himanshu Narayan, Dean of Academic and Dr. Vinay Singh, Controller of Examinations were also present on the occasion.



The team suggested the administration about essential requirements for organizing first-class cricket matches. The inspection team said that first-class cricket matches could be organized on the ground once all the required criteria are met with.



WORKSHOP ON MANUPATRA DATABASE



The Central Library of the University organized a workshop on Manupatra Database on 28th May, 2022. Manupatra is the largest Indian database for online legal research. It covers all Indian case laws from Supreme Court, High Courts, Tribunals and Lower Courts across the country.

Mr. Amit Prakash from Manupatra conducted the workshop. The workshop

was organized to train students and members of the Faculty of Legal Studies to access and use the database efficiently. 25 participants from the Faculty of Legal Studies were present in the workshop. Professor Suresh Garg, Pro-Chancellor, and Dr. Mishra were at the workshop. Mrs. Sumita Ghose, Assistant Librarian coordinated the workshop.

IMPLEMENTATION OF INFLIBNET'S LEARNING SYSTEM (ILMS)

The Usha Martin University has implemented Learning Management System (LMS) powered by INFLIBNET Centre, Gandhinagar, to make teaching and learning more productive. ILMS offers a platform for the faculty members of higher academic institutions to upload their teaching and learning materials for easy accessibility to students. Training sessions were organized in the library by Mrs. Ghose individually for each department for the implementation of ILMS from 18th July to 26th July, 2022.





J&MC ORGANISES WORKSHOP ON PHOTOGRAPHY WITH

Canon

The Faculty of
Journalism & Mass
Communication

organized a one-day photography workshop in association with Canon Imaging Academy on 21st May, 2022. More than 50 interested students from various departments took part in this workshop. Mr. Anindo Basu and Mr. Dipankar Chakraborty were the resource person at the workshop. During the workshop, sessions on photography, expert lectures on latest and most advanced types of photography equipment and advanced photography skills were imparted.

Mr. Amjad Hussain, was the coordinator of the workshop. Dr. Rupa Kumari, Head of the Department, expressed that photography has become a prevalent hobby among youngsters, who are always keen to learn from experts. Therefore, such workshops create awareness among photography enthusiasts and help them choose it as a career opportunity.

WORKSHOP ON RESEARCH METHODOLOGY

The Department of Pharmacy organized a workshop on Research Methodology on 16th May, 2022 for the students of Bachelor of Pharmacy. Dr. Arvind Hans, Associate Professor, Faculty of Business Management and Commerce, was the resource person at the workshop.

In his lecture, he focused on researcher's approach to the research to ensure reliable, valid results that address their aims and objectives. 35 students and faculty attended the workshop.



ENGINEERING DEPARTMENT OF USHA MARTIN UNIVERSITY GETS AICTE ACCREDITATION

The All-India Council for Technical Education (AICTE) has accredited the Engineering Department of Usha Martin University to conduct diploma courses. The announcement was made on 28th July, 2022.

The university informed that the process of taking permission started a couple of months back. The university met all standards. The students will greatly benefit from the AICTE accreditation in pursuing higher education, and employment opportunities. Also, the recognition will help

the university in undertaking more futuristic courses, research projects and resources to bolster its academic prowess from the current academic year.

A maximum of 60 seats have been recognized in all five subjects. The university has been recognized for Diploma courses in Computer Science, Civil Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Mining Engineering.

Professor Madhulika Kaushik, Vice Chancellor, while thanking the University team, especially appreciated the continuous efforts of Dr. Anil Kumar Mishra, Registrar,

Dr. Sharmishtha Roy, DSW, Dr. Abhishek Pandey, Head of the Faculty of Engineering and Applied Science, Dr. Lokesh Kumar and Mr. Rahul Gupta, faculty member.





NURSES' DAY CELEBRATIONS AT UMU

Commemorating the birth anniversary of Florence Nightingale, the Department of Nursing celebrated International Nurses' Day on 12th May, 2022. The programme's theme was 'A Voice to Lead – Invest in Nursing and Respect Rights to Secure Global Health'. Department students presented various cultural programs

during the celebrations including nukkad natak and dance performances.

Presiding over the function, Professor Garg elaborated on the role of nurses in healthcare and emphasized the selfless and dedicated service of nurses, particularly during the last two years of COVID-19 pandemic. Mr. Bikram Majumdar, Head of the Department of Nursing, showed his gratitude to all students, and staff of the university who attended the program.

PHARMACY STUDENTS VISIT BIODIVERSITY PARK

The first-year students of Diploma in Pharmacy visited the Biodiversity Park, Ranchi, on 19th July, 2022. During the visit, Dr. Narayan, informed the students about the plant species being used in the traditional system of medicines and Mrs. Priyanka Jaiswal, a faculty member of the Department briefed the students about cultivation, collection, and uses of medicinal plants.



Dr. Mishra and Ms. Rupsa Seth coordinated the field visit with Mrs. Rosalin Samanta, Mr. Adib Alam, Mr. Prabhat Kumar, Mrs. Avishikta Ray Das, and Mr. Ravi Kumar.

COVID VACCINATION DRIVE AT UMU

The National Service Scheme (NSS) Wing of the University organized a two-day COVID Vaccination Drive on the University Campus because of the rising COVID cases. The camp was organized on 22nd and 29th of July, 2022.

Community Health Centre, Angara Block, Ranchi, provided COVISHIELD and COVAXIN vaccinations during this campaign in which more than 200 people, including students, University staff members, and nearby residents were vaccinated.



Professor Garg, Dr. Mishra, Dr. Leena Srivastava, Deputy Registrar, Ms. Renu Lal, Finance Officer, Professor Narayan, Dr. Abhishek Pandey, NSS Programme Coordinator, Dr. Shubrashekhar Chakraborty, Programme Officer (NSS Unit 1), Dr. Jagesh Kumar Ranjan, Programme Officer (NSS Unit 2) participated in the drive and encouraged local villagers to get themselves vaccinated.

AWARENESS AND BLOOD TEST CAMP ON WORLD HEPATITIS DAY



The NSS Wing of the University in collaboration with the Department of Physiotherapy and Paramedical Sciences organized a one-day awareness and blood test camp on the occasion of World Hepatitis Day on 28th July, 2022 in the university campus. The event was organized for university students and local villagers, who may have little or no idea about the dangerous health risks of hepatitis.

Dr. Akansha Anand, Head of the Department of Physiotherapy and Paramedical Sciences and Dr. Sangeeta Kujur, faculty member of the department addressed the people with details of hepatitis symptoms, precautions, and diagnosis process, and disease management strategies.

On this occasion, Professor Kaushik, Professor Narayan, Dr. Mishra, Dr. Srivastava, Ms. Lal, Dr. Pandey, Dr. Ranjan, Dr. Chakraborty, all university staff along with NSS volunteers participated in the awareness lecture. More than 69 people opted for a blood test for hepatitis. Complete blood count and liver function tests were also performed for those individuals.



WORKSHOP BRIEFING IN DEPARTMENT OF PHARMACY

The Department of Pharmacy organized a two-day session on 26th and 27th May, 2022 to brief the seven-day workshop on Advanced Instrumental Techniques and Material Sciences (AICTMS22) under DST-STUTI programme of Indian Institute of Technology (ISM) Dhanbad, funded by the Department of science and technology, Government of India organized by Birla Institute of technology, Mesra, Ranchi. Mrs. Rosalin Samanta, Ms. Rupsa Seth and Mrs. Avishikta Ray Das shared their takes on HPLC (high-performance-liquid-chromatographic technique), Flame Spectrophotometry and Field Emission Scanning Electron Microscope (FESEM).

Professor Garg, Professor Narayan, Dr. Sailesh Narayan, Head, all faculty members and student of the Department of Pharmacy attended the lecture session.

PRACTICAL TRAINING FOR DIPLOMA IN PHARMACY

A hospital practical training programme for the second-year students of Diploma in Pharmacy has been sanctioned. The training programme is being conducted at Rajendra Institute of Medical Sciences (RIMS), Ranchi, by the Head of the Department of Pharmacology and the Dean of RIMS. The program commenced from 25th July, 2022 and will continue till 12th November, 2022. The programme is designed to provide them with hands-on-training in working in a medical institute. The programme comprises 10 courses at different departments of the Institute, each lasting for around a week. Ms. Seth is coordinating the training programme.



UNIVERSITY MARKS YOGA DAY WITH ENTHUSIASM

The 8th International Yoga Day was celebrated with great enthusiasm at Usha Martin University spreading from 11th April, 2022 to 21st June, 2022. Preceding to the yoga day, the University organized practice sessions from 11th April onwards for its staff and students where they were introduced to Yogasanas, Kapalbhathi, Pranayama, Dhyna, Sankalpa and Meditation, as per the Common Yoga Protocol issued by Ministry of Ayush, Government of India. The government of India marked the international event as 'Yoga for Humanity' this year. On the day of International Yoga Day, an enthralling practice session of yoga with demonstrations were held. A yoga competition was also organized for staff and students on this occasion. More than hundred students participated in the competition. Besides this, physical training activities were also conducted during the programme.



Mr. Prasoon Vaidya, International Director of the Yogabhayani Federation of India was the chief guest of the programme. He addressed the gathering about yoga and benefits of practicing Yoga to individual in everyday life and highlighted the potential for customization to suit the individual. Mr. Harendra Kumar was the guest Yoga instructor and Mr. Tanejar Munda was the physical training instructor at the programme. They were assisted by Professor Narayan, Dr. Khusru, Ms. Pallavi, Dr. Pandey, and Mrs. Rakhi.

While addressing the event, Professor Garg talked about the importance of Yoga in life. Adding to this, Dr. Mishra said that Yoga enhances our mental and physical intelligence. Akansha Karmali, Pooja Kumari and Roshni Kumari secured first, second and third position in the Yoga competition. The programme was organized by the NSS wing, members of NAAC criteria V, and Dr. Sharmishtha Roy, DSW.

Students being briefed about the conservation of 700 different species of cactus, cactus grafting, micropropagation of orchids, bamboos, mass propagation of local musa varieties of odisha, commercialization using tissue culture techniques, and different grafting techniques in rose at the **Regional Plant Resource Centre, Bhubaneswar**

AGRICULTURE STUDENTS' EDUCATIONAL TRIP TO BHUBANESHWAR



The Faculty of Agriculture organized an educational trip to Bhubaneswar for third-year B.Sc. (Hons.) Agriculture students. The trip included a visit to the National Rice Research Institute, (NRRI, Cuttack), Central Horticultural Experimental Station (Bhubaneswar), Directorate of Poultry Research, Regional Plant Research Institute, Orissa State Cooperative Milk Producers' Federation, and the Odisha University of Agricultural Technology (OUAT).

During the trip, different lecture sessions were

conducted by senior professors and scientists of these institutes. The students also got the opportunity to visit different labs of NRRI such as instrumentation lab, plant breeding and genetics lab, tissue culture lab, recombinant DNA technology lab, gene bank, post harvest processing unit, agriculture engineering labs, and integrated farming system. They also visited different agricultural fields, observatories, museums, and cultivation units of the OUAT.

Eighty-seven students of the department went on this trip accompanied by Dr. Lopamudra Satapathy, Head of the Department, and faculty members Dr. Shubhra Sekhar Chakraborty and Mr. Sumit Mishra.



WORLD ENVIRONMENT DAY CELEBRATED AT UMU



On the occasion of World Environment Day, a plantation drive was organized by the NSS wing of the University. The country-wide program 'Save Soil Movement' was also started at the University. Under which more than 100 saplings of fruit-bearing trees were planted. During the event, Dr. Mishra said that in this era of industrial civilization, protecting the environment should be our priority, and planting a tree helps nurture the ecosystem and keep us closer to the environment.

The University is already running a Green Campus initiative under

which plantation drive and trees relocation drive for construction is being carried out regularly.

WORLD BICYCLE DAY OBSERVED AT UMU

On the occasion of World Bicycle Day, a cycle rally was organized by the NSS wing of the Usha Martin University. The rally started from the University's main building passing through the nearby villages' and



culminated back at the start point. In an event after the rally, the participants stressed on the health and environmental benefits of cycling.

Dr. Abhishek Pandey, NSS coordinator flagged the rally. Professor Narayan, Dr. Mishra, Ms. Lal, Dr. Srivastava, and all university staff participated in the rally.

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