



**MANIPAL COLLEGE
OF PHARMACEUTICAL SCIENCES**
MANIPAL
(A constituent unit of MAHE, Manipal)

Vol: 8

Issue: 1

January to June 2022

The most sought-after destination for pharmaceutical education and research

Ad Meliora

a biannual newsletter



Programs: DPharm | BPharm | MPharm | PharmD | PharmD (PB) | Doctoral



Pharmacy and Pharmacology

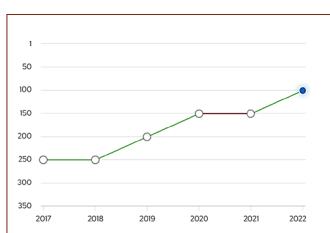
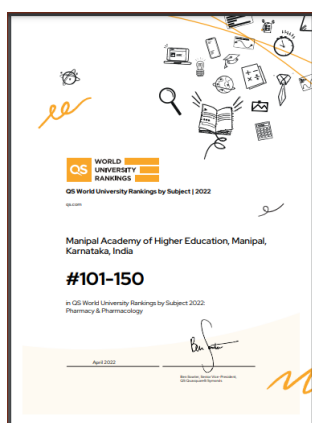
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Manipal College of Pharmaceutical Sciences

Manipal Academy of Higher Education (MAHE), a trailblazer in Pharmaceutical Education and Research has achieved another milestone in its journey towards excellence. QS World University Rankings for the subject “Pharmacy and Pharmacology” has placed our prestigious institution in the range of #101-150 for the year 2022. Under the leadership of Dr C Mallikarjuna Rao, MCOPS has made a steady rise in its ranking since 2017. Starting off with a ranking in the range of #251-300 in 2017, the institution has taken a huge leap to achieve its present status, with constant improvements in its position every year. The ranking is an endorsement for the quality of education and excellence in research at MCOPS, where it is a regular exercise not just to meet the demands with the changing scenario but to march ahead of the times and emerge as a pole star.



MCOPS celebrated its 59th Awards and Annual Day

27 April 2022: The 59th Awards and Annual Day of MCOPS was celebrated on 27 April 2022 in a grand manner. The program was held in Dr TMA Pai Auditorium during the post-lunch session of the day. Dr Hrishikesh Damle, MD and CEO of Atrimed Pharmaceuticals, Bengaluru was the chief guest of the function. Lt Gen Dr MD Venkatesh, Vice Chancellor, MAHE and Dr Venkataraya M Prabhu, Pro Vice Chancellor (Health Sciences), MAHE, were the guests of honor.

The function started on an auspicious note; a prayer rendered through a classical dance by Ms Manasa of final year BPharm. The Endowment Awards were conferred to students who made a remarkable track record by excelling in various courses during the academic years 2019-20 and 2020-21. This was followed by awarding the prestigious Dr TMA Pai Gold Medal for outstanding research for the years 2020 and 2021. Dr Renuka M bagged this prize for the year 2021 for her research publication in which Dr Srinivas Mutalik is the corresponding author. In 2020, the award was received by Mr Chetan Hasmukh Mehta for the research article for which Dr Usha Y Nayak is the corresponding author. Awards instituted by Dr N Udupa such as Travel Grants, Researcher of the Year, and Supporting Staff of the Year awards were also distributed during the program. Dr Srinivas Mutalik, Professor, Head, and Research Coordinator of MCOPS bagged the Researcher of the Year Award 2020. The same award for the year 2021 was shared between Dr Usha Y Nayak and Dr Lalit Kumar of the Department of Pharmaceutics. The “Travel Grants 2021 award was awarded to Ms Shirleen Miriam Marques, Mr Nagathirumalesh Chevala, and Ms Salwa. The Supporting Staff of the Year Award 2020 was given to Mr Harekrishna Samanth and Mr Sanjeeva. For the year 2021, the award was received by Mrs Divya Shenoy and Mr Umesh. Dr Hrishikesh Damle delivered the chief guest address and Lt Gen Dr M D Venkatesh, Vice Chancellor of MAHE delivered the presidential address. During his speech, Dr Venkatesh expressed his high esteem for MCOPS. He said that MAHE is proud of MCOPS and that the department is a jewel in the crown of MAHE. Mr Hemanth Kumar, an MPharm student in the Pharmaceutical Analysis branch handed over his hand-crafted micro-art on pencil as a memento for the dignitaries. The program ended with a vote of thanks by Dr Gautham Shenoy, Vice Principal, MCOPS. The program was well organized by the Department of Pharmaceutical Biotechnology under the leadership of Dr Raghu Chandrashekar. Dr Angel Alex was the masters of ceremony. The meticulous efforts of the office staff of MCOPS under the leadership of Mrs U Jayashree enabled a flawless execution. The cultural council of MAPS under the coordination of Dr Bhavana Bhat and leadership of Mr Surjo Narayan presented a spectacular cultural show, in which the students of MCOPS presented various cultural programs in an enchanting manner.



Manipal IPCs-funded MCOPS Golden Jubilee Commemoration Lecture 2022

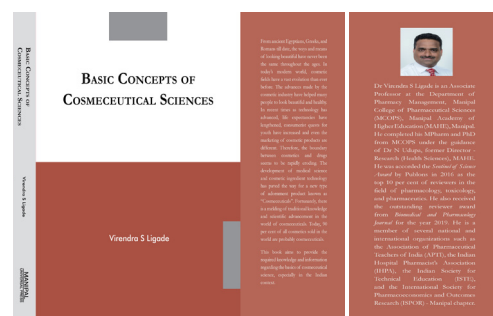
27 April 2022: The Manipal IPCs-funded MCOPS Golden Jubilee Commemoration Lecture was held on 27 April 2022 at Prof PGR Conference Hall, MCOPS. Dr C Mallikarjuna Rao, Principal, MCOPS delivered opening remarks on the origin and essence of this commemoration lecture. MCOPS has the unique distinction of successfully conducting three editions of the Indian Pharmaceutical Congress in Manipal: in 1972 (23rd), in 1990 (42nd), and 2010 (62nd). The Golden Jubilee celebration of MCOPS was held in 2013. To commemorate these occasions, the Manipal IPCs-funded MCOPS Golden Jubilee Commemoration Lecture is held every year.

During this year's celebration, Dr. Hrishikesh Damle, Founder and CEO of Atrimed Pharmaceuticals, Bengaluru was the distinguished speaker. He spoke on the topic "Inculcating Values to Create Value in an Enterprise". In his talk, he highlighted the importance of acquired, attributable, and empirical knowledge. He also spoke about the values to be inculcated in oneself and in an organization. He enlightened the audience about values such as creating our image, maintaining merit, integrity/character, and utility in the organizational setup. He stated that every individual must be a pride to their neighborhood, their organization, and their family. He added that one should accept their failures in life and move forward. The talk was well appreciated by the audience. The session was chaired by Dr KB Koteshwara, Professor, Department of Pharmaceutics, MCOPS.

The talk was followed by enthusiastic discussions with the audience and the concluding remarks by the chairperson. Dr Angel Alex, Associate Professor, Department of Pharmaceutical Biotechnology, MCOPS, was the MC and also proposed the vote of thanks.

FACULTY ACHIEVEMENTS

Dr Virendra Ligade's Book "Basic Concepts of Cosmeceutical Sciences" Published by MUP



Dr Virendra S Ligade, Associate Professor, Department of Pharmacy Management, MCOPS, published his book called “Basic Concepts of Cosmeceutical Sciences”. The book was published by Manipal Universal Press (MUP). It covers various facets of cosmeceutical sciences and its regulatory aspects in the Indian scenario. It aims to accommodate the educational needs of students, researchers, and healthcare professionals in the field of cosmeceutical sciences.

Ms. Athira R Nair bags the Best Oral Presentation award at NIPiCON-I

19 February 2022: Ms Athira R Nair, Assistant Professor, Department of Pharmaceutical Quality Assurance, MCOPS, under the guidance of Dr Krishnamurthy Bhat, Professor, bagged the “Best Oral Presentation” award for her Ph.D. research work entitled “Implication of Solution Phase behavior on the Co-administered drugs: The Case of Rifampicin, Saquinavir, Darunavir” during the 6th Nirma Institute of Pharmacy International Conference (NIPiCON-IPS 2022) jointly organized by the Indian Pharmacological Society and Nirma University. Held from February 17 to February 19, 2022. The conference theme was “Emerging Opportunities and Challenges in Pharmacology and Pharmaceutical Sciences for Drug Discovery and Healthcare Innovations”.



Dr. Gundawar Ravi Received Consolation Prize for presenting E-Poster

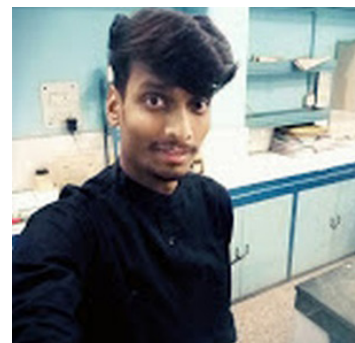
8 and 9 April 2022: Dr Gundawar Ravi, Assistant Professor, Department of Pharmaceutical Quality Assurance received a consolation prize for presenting an e-poster entitled “Formulation, characterization and evaluation of Eudragit coated Saxagliptin nanoparticles using 3 factorial design modules” during “National conference on Pharmaceutical

Sciences-2022” held on 8 and 9 April 2022 organized by Department of Pharmaceutics at JSS College of Pharmacy, Mysuru.



Dr K Nandakumar Secures the Best Poster Award at SFEC 2022

22-24 April, 2022: Dr K Nandakumar, Professor and Head of the Department of Pharmacology, Manipal College of Pharmaceutical Sciences, secured the Best Poster Award for his research work titled, “Sesamol prevented imiquimod induced psoriasis in mice possibly by inhibiting IL-23 expression” at the 9th International Congress of Society for Ethnopharmacology, India, held at JSS, Mysuru from 22 to 24 April, 2022.



RESEARCH SCHOLARS' ACHIEVEMENTS



Ms Ramya Ravi Bags Best PhD Oral Presentation Award at MAHE PhD Conclave 2022

27-28 May 2022: Ms Ramya Ravi, Assistant Professor, Manipal College of Pharmaceutical Sciences, MAHE received the award for Best PhD Oral Presentation on the topic **“University-Industry Technology Transfer Models: A comparative evaluation in various markets”** at the MAHE PhD conclave 2022 held on 27 and 28 May 2022 at MAHE. The event was organized by the Center for Doctoral Studies and the MAHE Student Research Forum under the aegis of Directorate of Research. She is pursuing her PhD under Dr Manthan D Janodia, Professor and Head of the Department of Pharmacy Management, Manipal College of Pharmaceutical Sciences, MAHE.

Mr Subham Das Bags Best Oral Presentation Award

17-19 February 2022: **Mr Subham Das**, PhD Scholar of Department of Pharmaceutical Chemistry, MCOPS under the guidance of Dr Alex Joseph, Associate Professor, bagged the **Best Oral Presentation Award** for the research work entitled **“Design, Synthesis, ADMET, Molecular Dynamics, and Biological Evaluation of some PPAR- γ Partial against as Insulin Sensitizers”** during the 6th Nirma Institute of Pharmacy International Conference (NIPiCON-IPS 2022) jointly organized by the Indian Pharmacological Society held from February 17 to 19, 2022 with the theme “Emerging Opportunities and Challenges in Pharmacology and Pharmaceutical Sciences for Drug Discovery and Healthcare Innovations”.



Akhil Nair wins Oral Presentation Award at SBAOI

16-17 March 2022: Akhil Nair, Research Scholar in Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences under the guidance of **Dr Usha Y Nayak**, Associate Professor, Senior Scale, Department of Pharmaceutics secured Second Prize in “Oral Presentations” session for the research work titled **“Devel-**



opment of Mesoporous Nanoparticles of Cefotaxime for the Treatment of Urinary Tract Infection and to Increase their Affordability and Accessibility” during an international webinar on “**Biomaterials: The Road Ahead: Enabling Affordable and Accessible Medicine**” jointly organized by Amrita Vishwa Vidyapeetham School of Pharmacy and endorsed by the Society for Biomaterials and Artificial Organs India (SBAOI) held on 16 and 17 March 2022.



Mr. Chetan Hasmukh Mehta bags third prize in Oral Presentation at SBAOI

16-17 March, 2022 : Mr. Chetan Hasmukh Mehta, Research Scholar, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal working under the guidance of Dr. Usha Yogendra Nayak, Associate Professor – Senior Scale, bagged the third prize in Oral Presentation for his research work titled “**Novel Localized Drug Delivery Systems of Quercetin for Periodontitis: A Strategy Towards an Affordable and Accessible Medicine**” co-authored by Gururaj C Aithal and Dr Usha Y Nayak. The award was presented during the **International Webinar on Biomaterials the Road Ahead: Enabling Affordable and Accessible Medicine**” jointly organized by Amrita Vishwa Vidyapeetham School of Pharmacy and Endorsed by Society for Biomaterials and Artificial Organs India (SBAOI) held on 16 and 17 March, 2022.



Akhil Nair Secures Second Prize in Oral Presentation in the 9th Annual Symposium of the Federation of Indian Physiological Societies, 2022

25-27 March, 2022: Akhil Nair, Research Scholar in the Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences under the guidance of Dr

Usha Y Nayak, Associate Professor, Department of Pharmaceutics and Dr Raghu Chandrashekar, Professor and Head, Dept of Pharmaceutical Biotechnology, MCOPS, secured second prize in the “Oral Presentation” award in Young Scientist Colloquium for the research work titled “Development of Cefotaxime β -Cyclodextrin Nanosponges to treat Urinary Tract Infection” during the 9th Annual Symposium of Federation of Indian Physiological Societies-2022, International Webinar on the theme “Reconnecting Physiology and Nature for Healthy Life”, organized by National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, in association with PSI, SAPI, APPI and ISCAP from 25 to 27 March, 2022.



Ekta Rathi, PhD Scholar of MCOPS Secures Third Place with a Cash Prize in the e-Poster Presentation

19 March 2022: Miss Ekta Rathi, PhD Scholar of MCOPS, secured third place with a cash prize of Rs.2000/- in the e-Poster presentation entitled “Design and Development of Novel VEGFR2 Inhibitors” during the Global Cancer Consortium held on 19 March 2022. The e-poster was selected during the first “**Virtual Global Cancer Conference**” conducted by the Global Cancer Consortium from 2 to 4 December, 2021. She is working under the guidance of Dr Savarna G Kini, Prof and HOD, Dept of Pharm Chemistry, MCOPS, as Young Scientist, ICMR, for her PhD.



Certificate of Appreciation

This certificate is awarded to Dr./Mr./Ms. Ekta Rathi of Manipal Academy of Higher Education for securing **THIRD PRIZE** in e-Poster presentation during “1st Virtual Global Cancer Conference” conducted by Global Cancer Consortium from December 2nd to 4th, 2021.

Debabrata Mukhopadhyay
Debabrata Mukhopadhyay

Mahadev Rao
Mahadev Rao

Prasanna Venkatraman
Prasanna Venkatraman

Vivek Rangnekar
Vivek Rangnekar

Susanta Roychoudhury
Susanta Roychoudhury



V Sai Krishna Anand Bags First "Best E-Poster" in the National Conference on Pharmaceutical Sciences 2022

8 and 9 April 2022: **Mr V Sai Krishna Anand**, Research Scholar, Department of Pharmaceutical Quality Assurance, MCOPS, under the guidance of Dr Swapnil J Dengale, Assistant Professor, NIPER, Guwahati, bagged the first-best e-poster award for the research work entitled **"Investigating the influence of physicochemical interactions of co-administered anti-malarial and anti-retroviral medications"** in the **"National Conference on Pharmaceutical Sciences 2022"** held on 8th and 9th April 2022 organized by Department of Pharmaceutics at JSS College of Pharmacy, Mysuru.



Dani Lakshman Y bags the second-best e-poster award in National Conference on Pharmaceutical Sciences 2022

Mr Dani Lakshman Y, Research Scholar, Department of Pharmaceutical Quality Assurance, MCOPS, under the guidance of Dr Krishnamurthy Bhat, Professor, bagged the second-best e-poster award for the research work titled **"Co-amorphous Technology a Strategic Tool: to Improve Solubility, Crystallization Inhibition, and Permeability"** under the category of Pharmaceutical Quality Assurance / Regulatory Affairs in the **"National Conference on Pharmaceutical Sciences 2022"** held on 8 and 9 April 2022 organized by the Department of Pharmaceutics at JSS College of Pharmacy, Mysuru.





Dr Prashant Chandra received Best Oral Presentation Award

22 June 2022: Dr Prashant Chandra, Research Scholar, Department of Pharmacy Practice, MCOPS, MAHE received the **Best Oral Presentation award** at the 9th International Postgraduate Conference on Pharmaceutical Sciences 2022 (IPoPS 2022), organized by International Medical University, Kuala Lumpur, Malaysia on 22 June 2022. Dr Chandra won the award for his research titled “A data-driven approach to predict the length of stay and treatment cost in bacterial infections in an Indian health care setting”. The co-researchers on this project were Dr Vandana KE, Dr Chiranjay Mukhopadhyay, Dr Dinesh Acharaya U, Dr Surulivelrajan M, and Dr Rajesh V.

Naga Thirumalesh Chevala wins “Best PhD Oral Presentation” during MAHE-PhD Conclave 2022

Mr Naga Thirumalesh Chevala, a research scholar pursuing his PhD under the guidance of Dr Lalit Kumar, Assistant Professor, Selection Grade, Department of Pharmaceutics, MCOPS, MAHE, bagged the “**Best PhD oral presentation**” award during **MAHE-PhD Conclave 2022**. He is one of the five research scholars who was awarded the best Ph.D. Oral Presentation Award among 80 research scholars of various departments of MAHE, who presented their research work in the Ph.D. conclave organized by the **Centre for Doctoral Studies & MAHE Research Forum under the Aegis of Directorate of Research** on 27 and 28 May 2022 at Manipal Academy of Higher Education, Manipal.



ALUMNI ACHIEVEMENTS

MCOPS alumni Prof (Dr) Vibhu Sahani Receives Appreciation Letter from President, Pharmacy Council of India (PCI)



Prof (Dr) Vibhu Sahani, an illustrious alumnus of MCOPS received an appreciation letter from **Dr Montukumar M Patel, President, Pharmacy Council of India**, New Delhi for his efforts, unconditional support, and commitment to the Pharmacy Education.

Dr Sahani completed his B Pharm from Manipal College



of Pharmaceutical Sciences in the year 1993. Currently, Dr Sahani is working as a professor in the Department of Pharmacy, LLRM Medical College, Meerut. Prior to this, Dr Sahani was the Superintendent-in-Chief of SVBP Hospital, LLRM Medical College, Meerut.

MCOPS Alumnus Gurpreet Singh Receives Business Excellence Award for Professional Leadership

18 June 2022: Mr Gurpreet Singh, an alumnus of Manipal College of Pharmaceutical Sciences (Class of 2005) has been awarded the Business Excellence Award for Professional Leadership in the category of Life Sciences & Pharma by the Knowledge Chamber of Commerce and Industry at Ahmedabad on 18 June 2022. He has been in the pharma drug development industry for 15+ years and has worked in reputed global companies like Cognizant, Tata Consultancy, Novartis, and Parexel. He was the former Global Head of PV Operations at Novartis and was responsible for worldwide PV activities. He is the former Senior Director of PV Operations at Parexel, where he was responsible for several activities including business development, operations, and process excellence. Gurpreet is a Six Sigma and Project Management certified professional and is an expert in areas like digital transformation, data analytics, and organization culture.

Gurpreet is a half-marathon runner and a speaker at various global conferences. He was a gold medallist in BPharm from MCOPS in 2005. He was also the editor of MCOPS college magazine in 2004.



SEMINARS/SYMPOSIA/ WORKSHOP

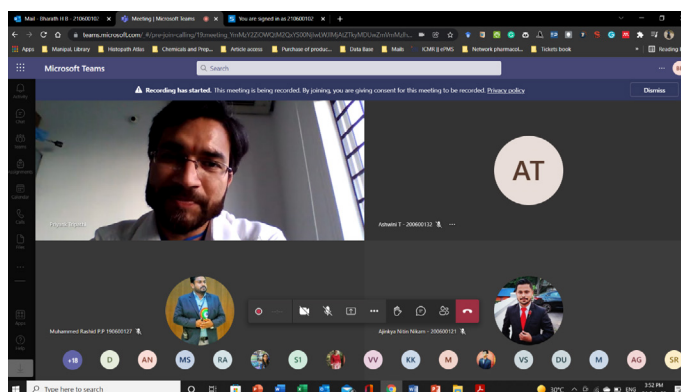
Webinar on the Role of Oncology Clinical Pharmacist in Cancer Management

A webinar on the topic “*Role of Oncology Clinical Pharmacist in Cancer Management*” was conducted to mark the occasion of World Cancer Day (4 February), by Innovative Communication Club (I2C), MCOPS, Manipal. The webinar started at 03:00 pm with a

welcome speech by Mr Muhammed Rashid, Vice-president, I2C, who coordinated the session and introduced the speaker, Dr Priyank Tripathy, Oncology Clinical Pharmacist, Health Care Global Enterprises Ltd, Bangalore.

The webinar had discussions about the role of oncology clinical pharmacists in dose monitoring during chemotherapy, new protocol designs for various new therapies, education to the patient, team contribution to the use of anti-infective including antimicrobials, antifungals and antivirals based on the type of organism and their site of infection. Dr Priyank also focused on topics like prophylaxis and treatment of patients with immunocompromised condition and infectious diseases. Focus was also given on what is considered as prophylaxis during the surgery or for solid malignant patients, monitoring the safety of patients for any recurrence, management of drug toxicities, and analysis of adverse drug reactions in patients. Communication to respective agencies regarding the toxicities of drugs, training of other health professionals, identification of medication errors, contribution to the translational research, patient protocol development, cross verification of all parameters, and sample collection from the patients were also discussed during the webinar.

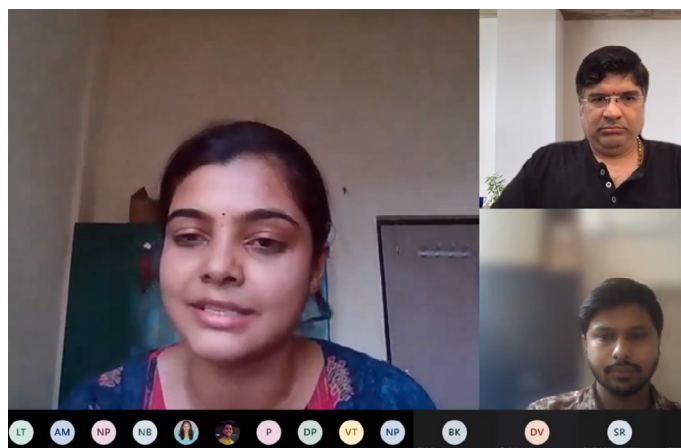
The webinar was concluded with a vote of thanks by Mr Ajinkya Nikam, President, I2C, who thanked everyone who helped in ensuring the program went smoothly.



Virtual Training and Release of Newsletter Organized by Innovative Communication Club In association with Centre for Drug Testing, MCOPS

On the occasion of National Science Day, Innovative Communication Club (I2C), in association with Centre for Drug Testing, Manipal College of Pharmaceutical Sciences, hosted “Virtual training on Pharmaceutical Techniques involved in Drug, Design and Analysis” during 28 February – 05 March, 2022. The program was inaugurated on 28 Feb 2022 by the Chief Guest Dr. BS Sathish Rao, Director-Research, Manipal Academy of Higher Education. During this program, I2C hosted the release of its newsletter “Frontline-Innovative info on the go” by Dr. BS Sathish Rao. The newsletter is aimed at helping participants and editors upscale their skills, enhancing and modernizing current trends and inventions in pharmaceutical and scientific field, discussing prime issues for positive discussions, and exploring untouched terrains of the health and pharmaceutical sectors in a nifty manner. Dr. BS Sathish Rao and Dr C Mallikarjuna Rao, Principal, Manipal College of Pharmaceutical Sciences, shared their valuable perspectives on current trends in research and innovation and how students should look at it positively. Mr. Ajinkya Nikam, President of I2C, gave an overview of the training program. Ex-Innovative communication club members were presented with certificates as tokens of appreciation. The vote of thanks was presented by Mr Muhammad Rashid. Miss Mrunal Desai coordinated the event. Dr Usha Y Nayak, Faculty Coordinator, I2C; Coordinator, Centre for Drug Testing and Dr Srinivas Mutalik, Research Coordinator, Faculty members and research scholars attended the program at Dr P Gundu Rao Conference Hall, MCOPS.

The one week virtual program included Basic Biotechnology of Laboratory Mice and Rats (Animal Handling, Restraining, Identification Methods, Injections and Blood sampling in mice and rats: Demonstration), Basics of Chromatographic Science and Analytical Method Development (Basics of Chromatography, Column Chromatographic Technique and Stationary Phases, Column Care and troubleshooting in column Chromatography) and Computational tool for Drug Development (Introduction to Computational Drug Design and how to use ligands information in drug design) by the industry experts. About 280 delegates from various colleges across India benefitted from this program.



International Conference on Clinical Pharmacy – CPCON 2022

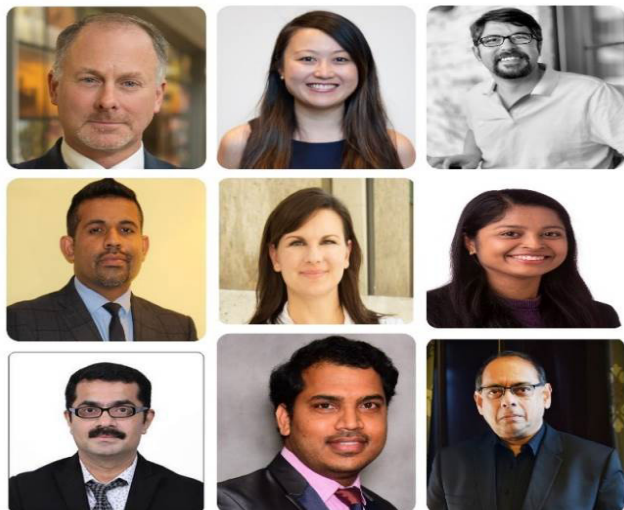
MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES
MANIPAL
(A constituent unit of MAHE, Manipal)

7th INTERNATIONAL CONFERENCE ON CLINICAL PHARMACY

Organized by
Centre for Pharmaceutical Care
Department of Pharmacy Practice
Manipal College of Pharmaceutical Sciences
(A Constituent unit of MAHE, Manipal)

CPCON-2022
Pharmacist Towards an Inclusive Healthcare System

6-8 January 2022, Virtual Conference (MS teams)



The Department of Pharmacy Practice, in association with the Centre for Pharmaceutical Care, MCOPS, organized CPCON 2022, the 7th International Conference on Clinical Pharmacy virtually on Microsoft Teams. The event was based on the theme “Pharmacist Towards an Inclusive Healthcare System”. The three-day conference began with a pre-conference workshop by Dr Krishna Undela (NIPER, Guwahati, India), on Evidence Synthesis.

Dr Mahadev Rao, Professor and Head of Department of Pharmacy Practice, MCOPS, gave an overview of CPCON on Day 1 of the conference and welcomed the gathering. Speakers from various varsities with expertise in clinical pharmacy domains participated in the conference. The speakers for Day 1 were Dr Melissa J Durham (the University of Southern California, School of Pharmacy, USA), Dr Sathvik B Sridhar (RAK Medical and Health Sciences University, Ras Al Khaimah, UAE), Dr Angelina Lim (Monash University, Australia), and Dr Lee Vermeulen (University of Kentucky, USA).

The speakers for Day 2 were Dr Meenakshi Sreenivasan (GSK, USA), Dr Debasis Bagchi (VNI, USA), Mr Robin George (Real Pharma Solutions Ltd, UK), and Dr Haden Bunn (Pumas-AI, Inc.). The speakers shared their professional experiences in their respective fields. They also highlighted several opportunities for pharmacy students, as well as the skills required to study abroad.

A total of 186 national and international registered delegates participated in the event. A total of 109

scientific abstracts from diverse pharmacy domains were presented in the oral and poster categories. The oral presentations were evaluated by Dr Kiran SS (College of Pharmaceutical Sciences, Govt Medical College, Kannur, Kerala) and Dr Manjula Devi (College of Pharmacy, SRIPMS, Tamil Nadu).

Dr Rajesh V, Organizing Secretary – CPCON 2022 and Coordinator for Centre of Pharmaceutical Care announced the winners and proposed the vote of thanks during the valedictory session.

Student Exchange Committee MAPS-MCOPS Organized Live Interactive Webinar “What Next”

8 March 2022: Pursuing education is a task of its own in today’s competitive world. Preparing for the process with a goal in mind, right from the initial years of undergraduate program, eases the journey. With this view, the Student Exchange Committee MAPS-MCOPS organized a live Interactive Webinar “What Next” on 8 March 2022. The Student Exchange Committee under the coordination of Secretary, Adithya MS, took the initiative to call upon MCOPS alumna, Ms Pooja Vemuri, and organized an interactive live session for all students interested in pursuing higher studies. There were around 60 participants overall.

The session was conducted on Microsoft Teams. It was an educational and Q&A webinar, with the sole objective of helping MCOPS students who wish to pursue their education in Europe and UK. The speaker resolved all the students’ queries. After much planning and discussion, the committee released a Google Form to collect questions from students. Their inputs served as the basis for the session.

Ms Pooja Vemuri guided the students with her experience in various areas of education abroad. She elaborated on opportunities, scholarships, admission procedures, and job prospects mainly in the UK and Europe. She also shared her journey, which many participants could relate to. She was open to all kinds of doubts asked by students, with her friendly and approachable manner. Students found the session helpful and provided positive feedback.





What Next?

With **POOJA VEMURI**

PHD Student
RWTH Aachen University (Nov 2018 - Present)
Aachen, Germany

Open to all Undergraduate and Postgraduate Students

Information regarding study in the UK and Europe

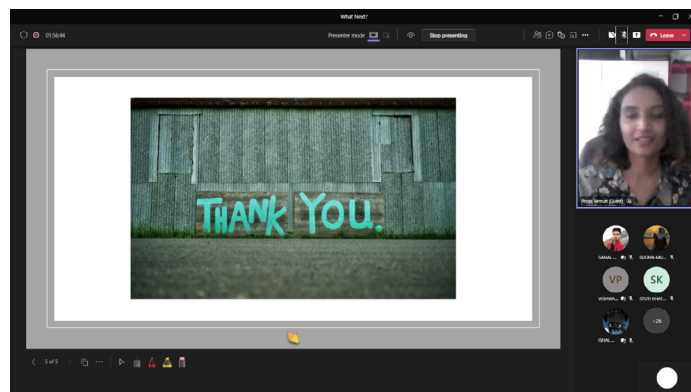
<https://www.linkedin.com/in/poojavemuri>

Tuesday, 8th March
6:30 PM IST
MICROSOFT TEAMS

MR. ADITHYAN M S
SECRETARY
SEC - MAPS

DR. ANUP NADIA
FACULTY CO-ORDINATOR
SEC - MAPS

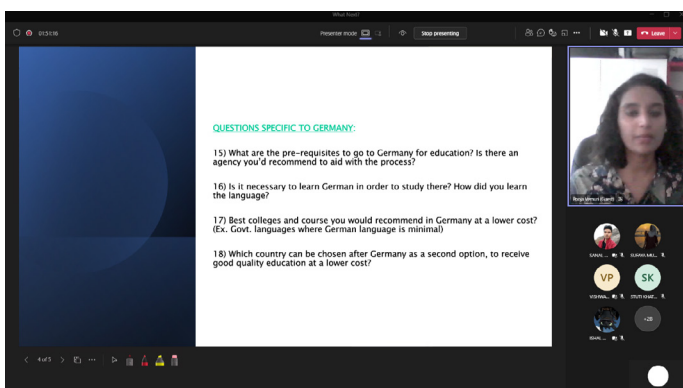
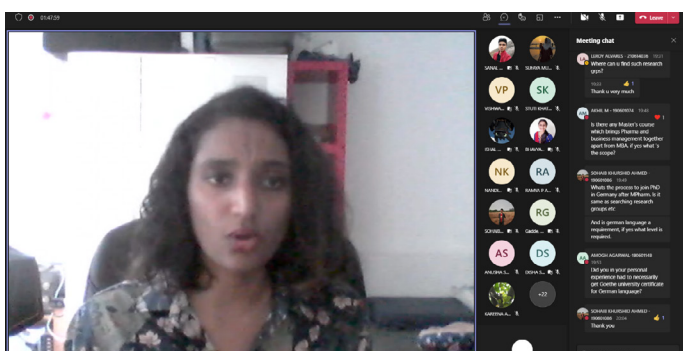
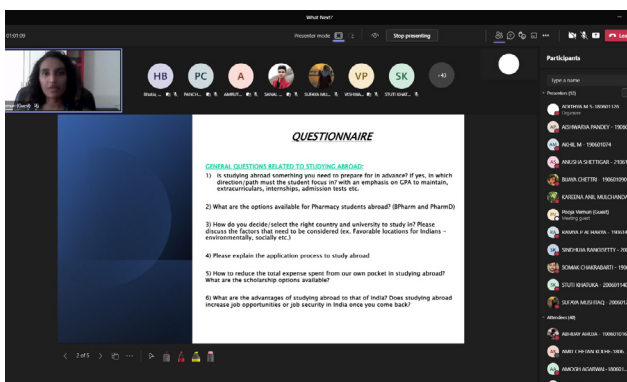
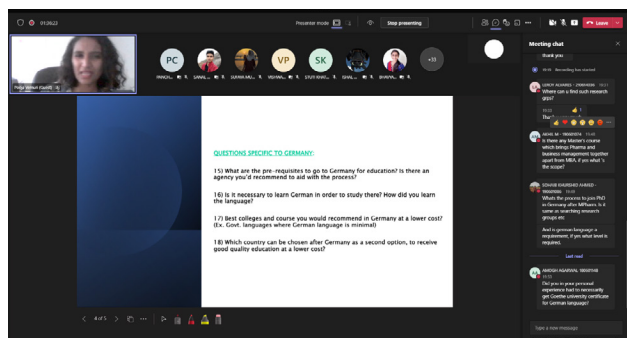
MR. KAREENA ANIL N
JOINT SECRETARY
SEC - MAPS

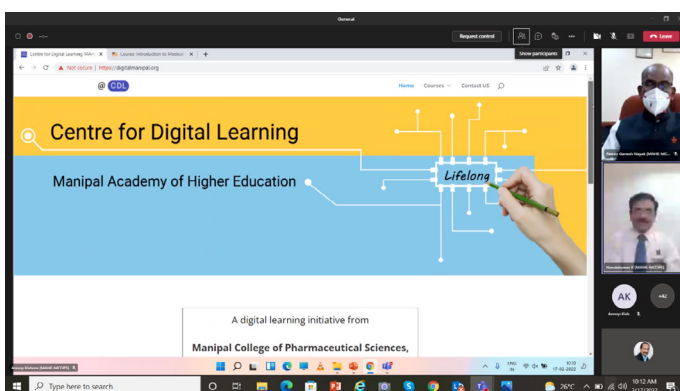
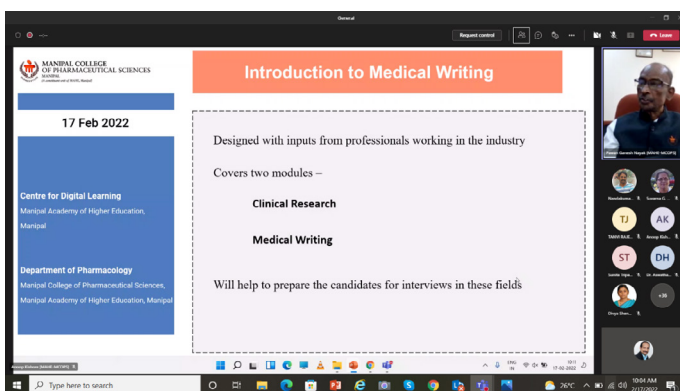
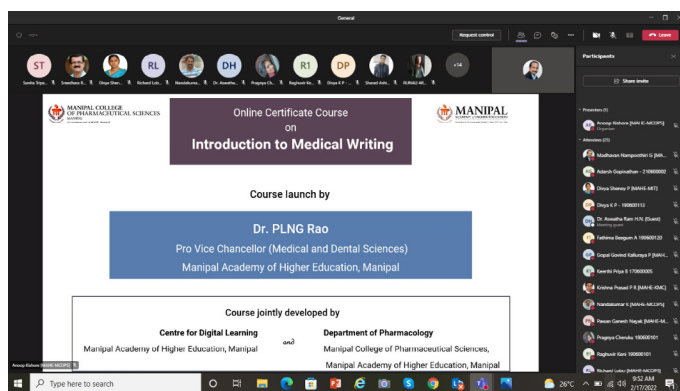


Online Certificate Course “Introduction to Medical Writing” Launched by MCOPS

17 February 2022: The Department of Pharmacology, Manipal College of Pharmaceutical Sciences, The Centre for Digital Learning, Manipal Academy of Higher Education have jointly designed and developed a job-oriented online certificate course titled “Introduction to Medical Writing”. The course was officially launched from MCOPS, Manipal by Dr. PLNG Rao, Pro Vice Chancellor, Medical and Dental Sciences, Manipal Academy of Higher Education, Manipal, on 17th February 2022 via MS Teams at 10.00 a.m. The online event was attended by Dr. C Mallikarjuna Rao, Principal, MCOPS, Dr. Nandakumar K., Head of the Department, Pharmacology, MCOPS, and Dr. Anoop Kishore, Coordinator, Centre for Digital Learning, MAHE.

This is the first course offered completely online by the Centre for Digital Learning and MCOPS. The course can be accessed by visiting the website <https://digitalmanipal.org>. It was developed with funding from Vision Group on Science and Technology, Govt of Karnataka, and supported by Manipal Academy of Higher Education, Manipal. The course focuses on covering fundamental concepts in clinical trials, adequate information on regulatory requirements for the conduct of clinical trials, and knowledge about the diverse profession of medical writing. The course is for 32 hours and it includes resources such as online lectures, reading materials, self-directed learning modules. Evaluation is in the form of quizzes and assignments. The course has been developed with the help of experts working in industry to help prepare candidates for a career in clinical research and medical writing.





Shastri Conference and Lecture Series Grant Workshop on Data Science in Pharmacoepidemiology

25-29 March 2022: An interdisciplinary 4-day workshop “Basics of Data Science in Pharmacoepidemiology” was organized by the Pharmacy Literacy Club (PLC) funded by Shastri Indo-Canadian Institute (SICI), New Delhi in association with Genpro Research as knowledge partner on 25, 26, 28, and 29 March 2022. This virtual event was conducted via Microsoft teams and consisted of interactive sessions, group discussions, and hands-on training. A total of 16 sessions were handled by data science experts from industry as well as academia. The workshop began with a welcome address by Dr C Mallikarjuna Rao, Professor and Principal of Manipal

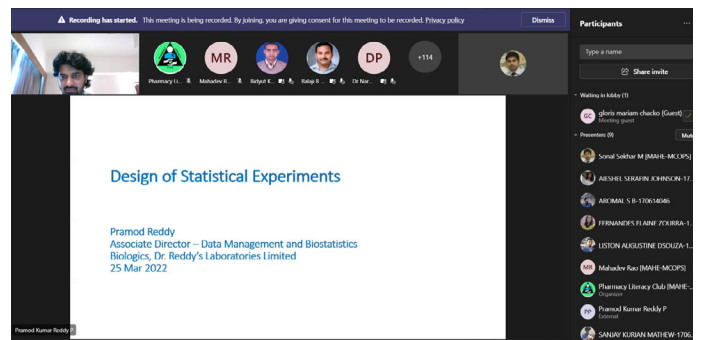
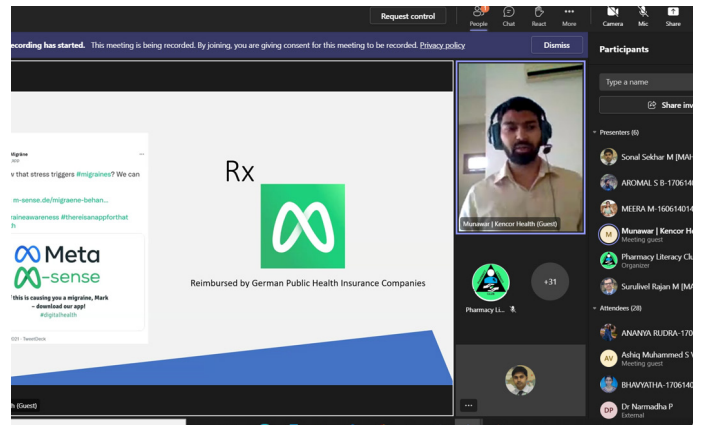
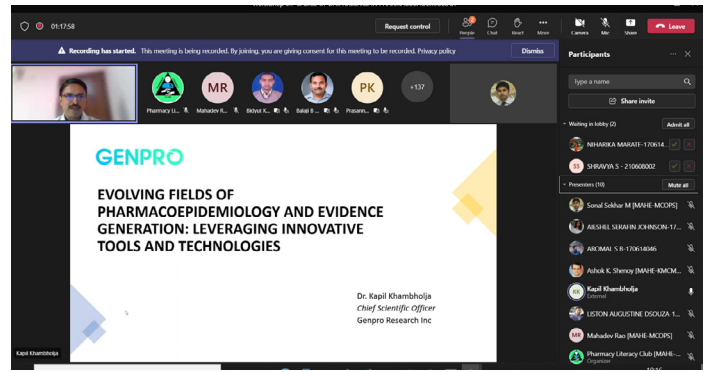
College of Pharmaceutical Sciences, Manipal on 25 March 2022 at 9.30 am. Dr Mahadev Rao, Professor and Head, Department of Pharmacy Practice, gave an overview of the department and Dr Sonal Sekhar M, Organizing Secretary of the workshop gave an overview of the program. This was followed by a keynote address by Dr Prachi Kaul, Director, Shastri Indo-Canadian Institute, New Delhi. The workshop session started at 10 am with an introduction to the concept of pharmacoepidemiology & evidence generation, the type of data, design of statistical experiments. On the first day, the sessions were handled by industry experts from Genpro Research and Dr. Reddy’s Laboratories Ltd. The second day saw sessions involving hands-on training on various industry-standard software such as SPSS, R, and SAS by experts from both industry and academia. The third day focused on artificial intelligence and machine learning algorithms and their applications including No-Code ML using WEKA with a case study. The last day covered sessions on big-data analytics, digital health platforms, and demonstration of TB-Portal big data. More than 160 delegates from across India registered and participated for the workshop. During the valedictory, Dr MP Narmadha, Professor and Head, Dept of Pharmacy Practice, Amrita School of Pharmacy, Kochi represented the delegates to give feedback on the workshop. She said, “This workshop and selected topics are highly relevant and need of time since data science has vast applications in Pharmacoepidemiology and there is a growing demand for data science professionals and researchers in healthcare sectors and pharma industry”. Dr Sonal Sekhar M gave the vote of thanks and Mr Liston Dsouza, President, PLC gave closing remarks.



Resource Persons

 Dr. Kapil Khambholja Vice President, Head of Medical & Scientific Writing, Genpro Research, Baroda, Gujarat, India	 Mr. Pramod Kumar Reddy Group Leader, Data Management & Biostatistics Dr. Reddy's Laboratories Ltd., Hyderabad, Telangana
 Dr. Dhama Rao Uppada Group Leader- Medical Operations, Clinical Development Dept., Biologics Division Dr. Reddy's Laboratories Ltd., Hyderabad, Telangana	 Dr. Vijayanarayana K Associate Professor, Dept. of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Karnataka, India
 Dr. Amit Kumar Associate Professor & Head, Dept. of Laboratory Medicine, Rajendra Institute of Medical Sciences, Ranchi, Jharkhand	 Dr. S Robin Research Officer, Manipal Institute of Virology, MAHE, Manipal, Karnataka, India
 Mr. Vikash Jain Head of Statistical Programming, Genpro Research, New York City Metropolitan Area, USA	 Mr. Anoop Ambika Chief Executive Officer, Genpro Research, Trivandrum, Kerala, India
 Dr. Surulivelrajan Mallayasamy Professor, Dept. of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Karnataka, India	 Dr. Dinesh Acharya U Professor, Dept. of Computer Science & Engineering, Manipal Institute of Technology, MAHE, Manipal, Karnataka, India
 Dr. Krishnamoorthi Makthithaya Professor, Dept. of Computer Science & Engineering, Manipal Institute of Technology, MAHE, Manipal, Karnataka, India	 Dr. Munawar Peringadi Vayalil Product lead, Digital Health, Kencor Health Inc, Palo Alto, California, USA
 Convenor: Dr. Mahadev Rao Professor & Head Dept. of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Karnataka, India	 Organizing Secretary: Dr. Sonal Sekhar M Assistant Professor- Selection Grade Dept. of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Karnataka, India

For Details Contact:
Mr. Liston Osouza: +91-8722388711
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Mr. Rahul Ramesh: +91-8079920206
Email: pharmaclub@manipal.edu | pharmaclub@manipal.edu



Student Exchange Committee of MAPS, India Organized a Virtual SEP

18-20 April 2022: Student Exchange Committee of MAPS, MCOPS, India, organized a Virtual Student Exchange Program (SEP) on the topic “India: A Pit Stop”, under the guidance of faculty advisor Dr Anup Naha from 18 to 20 April 2022. Hosted on Microsoft Teams, students from different parts of the world were encouraged to enroll under the Student Exchange Program of IPSF [International Pharmaceutical Students’ Federation] to obtain new knowledge and experience various opportunities in the field of pharmacy.

The first two days were dedicated to four academic lectures delivered by professors of MCOPS. Dr Rajesh V of the Department of Pharmacy Practice spoke on “Pharmaceutical Care: A comprehensive solution for drug-related issues”. Dr KSR Pa, Professor, Department of Pharmacology, lectured on the “Preclinical Drug



Workshop on Basics of Data Science in Pharmaco-epidemiology

March 25, 26, 28 & 29, 2022

Register link:

<http://tinyurl.com/workshopdatascienceplc>

last date for registration: 21st March 2022

Organized by

**Pharmacy Literacy Club,
Department of Pharmacy
Practice, MCOPS, MAHE,
Manipal**

Funded by

**Shastri Indo-Canadian
Institute**

Knowledge Partner



Highlights

- Shastri Conference and Lecture Series Grant (SCLSG) Program
- Hands-on training
- Real-time case studies
- Sessions by industrial experts
- Interactive sessions
- Virtual workshop
- e-certificate

Key Topics

- **Data in Clinical Studies**
- **Statistical Software**
 - ML & AI in Pharmacoepidemiology research
 - Big Data in Pharmacoepidemiology

Contact us at

Ph: 0820-2922403 / +91-7411338846
Email: clinpharm@manipal.edu

Registration fee

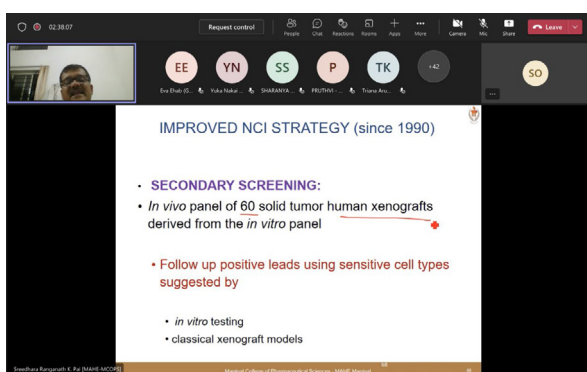
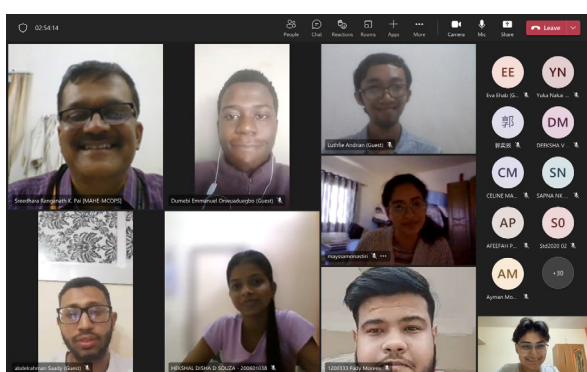
MAHE students/faculty: **500 INR**
Non MAHE students/faculty: **750 INR**
Industry Participants: **1000 INR**

Platform: Microsoft Teams

Discovery in Cancer Research.” Dr Ligade of the Department of Pharmacy Management elaborated on “Cosmeceuticals and Nutraceuticals: Prospects and Regulatory Aspects”. Ms Ramya Ravi of the Department of Pharmaceutical Quality Assurance spoke on the “Process of Patenting in India & Technology Transfer”.

The last day was dedicated to give a glimpse of India’s culture, heritage, and food to the participants. Ms Manasa, a fourth year BPharm student, presented one of the Indian classical dances, Bharatanatyam, and spoke excellently on the role and importance of classical dances. The guest speaker, Mr Anil Mulchandani, a freelance author, journalist, and food critic spoke about “The Culinary Mosaic of India”, describing how India is a melting pot of traditions, how some of the cuisines of India are derived from other countries and how Indian cuisine has influenced others.

Students from Taiwan, Nigeria, Egypt, Japan, Indonesia, and Tunisia attended the event, among whom students from Egypt showed up in maximum numbers, with a total number of 50 participants and 150 registrants. Many students of MAPS, India, also participated in the virtual SEP. Student feedback was taken daily, which helped the organizers assess if the event was successful. The participants had high appreciation about the program. Not only did they find the lectures informative and exciting, they also each had a takeaway message and looked forward to more lectures hosted by MAPS, India



Free Medical Camp on the Occasion of the World Health Day

3 April 2022: On the occasion of **World Health Day**, a free medical camp in Mount Rosary Church, Santhekatte, Kallianpur was co-organized by the Pharmacy Literacy Club (PLC) and the Department of Pharmacy Practice, MCOPS, in association with Kasturba Hospital, Manipal, Mount Rosary Church, Santhekatte and the Health Commission, Catholic Sabha. The medical camp was inaugurated by Rev Dr Leslie C DSouza, the Parish Priest of the Mount Rosary Church in the adjoining school premises at 9.15 am. Dr Sonal Sekhar M, Staff Co-ordinator of the Pharmacy Literacy Club (PLC) spoke on the public health pharmacy services provided by the club. Specialist doctors in General Medicine, OBG, Orthopaedics, and ENT from Kasturba Hospital, Manipal offered their best consultation services and basic treatments to the deserved.

As a part of public health pharmacy services, clinical pharmacy students and staff provided medication review and counselling to the patients. In addition, they demonstrated appropriate use of inhaler devices and insulin pens to the patients to optimize their medication use. Patient information pamphlets for hypertension and diabetes were also distributed to the relevant patients by PLC. Mr Louis DSouza, Convenor of Health Commission of the Mount Rosary Church, who co-ordinated the camp, proposed the vote of thanks to all the healthcare professionals. More than a hundred people benefitted from the medical camp drive which went on until 2.00 pm.

Innovative Communication Club, MCOPS Organized Research Orientation

31 May 2022: A research orientation program was conducted for the benefit of first-year MPharm students by Innovative Communication Club, MCOPS on 31 May 2022 in the PG Gundu Rao Hall. The programme began with a welcome address by Dr C Mallikarjuna Rao, Principal, MCOPS. Dr Raviraja NS, Professor & Coordinator, Manipal Center for Biotherapeutics Research and Director, Corporate Relations, MAHE Manipal was present as the chief guest who guided the students on positive approaches towards research and the importance of being honest and consistent in it. Various faculty members from MCOPS delivered talks on research. Dr. Yogendra Nayak, Coordinator, PG research orientation spoke on literature search tools, journals and databases and its optimum use for research. Dr Madhavan Nampoothiri elaborated on manuscript writing, dissertation writing and key factors that should be considered in the same. Mr Sanjay Kulkarni took a session on using reference managers and citation tools. Ms Ramya Ravi focused on the patent filing process and the eligibility criteria for the same. The concluding session was by Dr Virendra S Ligade who guided the students on presentation skills, self-confidence, and other aspects involved in professional life. The program concluded with a feedback test and the vote of thanks by Mr Ajinkya Nikam, President, I2C. About 130 PG students attended the program and interacted with the speakers. Mrs Divya Dhatri, Research Scholar, MCOPS coordinated the program.





Workshop on Doping for School Physical Education Teachers of Udupi District

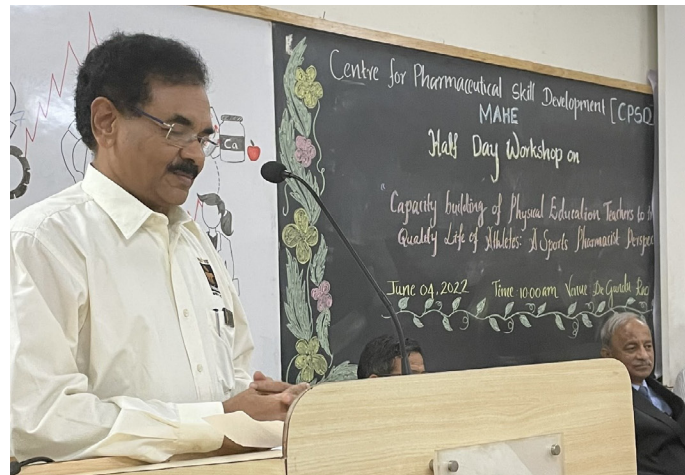
As a part of the National Educational Policy (NEP) 2020 implementation to bring sports and education closer, the Centre for Pharmaceutical Skill Development, MCOPS, MAHE, organised a half-day workshop for physical education teachers in the Udupi District. The workshop's motto spread awareness about doping and how athletes' quality of life get affected because of it. On the same occasion, a book entitled "Hawk Eye of Doping" was released by Lt Gen. (Dr) MD Venkatesh, Vice Chancellor, MAHE. The book, authored by Dr Sivakumar and Dr Anup Naha from MAHE, along with Manipal alumnus Dr Punit Bansal and former Indian cricketer Mr Robin Singh, aims to create mass public awareness for doping-free sports.

Dr Venkatesh further added that "Sports Pharmacists creating awareness of doping at the grassroots level by educating the school physical education teachers will create a sustainable model for the quality life of athletes and will promote clean sports."

Around 100 teachers from the Udupi Educational Block attended the workshop at MCOPS, which was titled "Capacity Building of Physical Education Teachers to Improve the Quality of Life of Athletes: A Sports Pharmacist Perspective". Sessions on doping rule violations, the role of nutritional supplements, lifestyle modifications of athletes to prevent doping, and first aid on the field were conducted as part of the workshop.

The workshop was inaugurated by Dr Mohammed Zuber, Chief Innovation Officer, MAHE, in the presence of Dr Ashok Kamath, Block Education Officer, Udupi. Dr C Mallikarjuna Rao, Principal, MCOPS delivered the welcome address and the vote of thanks was proposed by Dr Krishnamurthy Bhat, Vice Principal, MCOPS for the valedictory function of the workshop.





Half-Day Workshop on Designing and Creating Online Courses

10 June 2022: A half-day workshop on *Designing and Creating Online Courses* was conducted by the *Centre for Digital Learning, Manipal Academy*

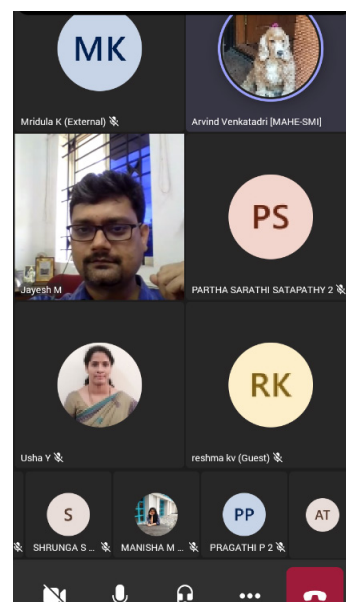
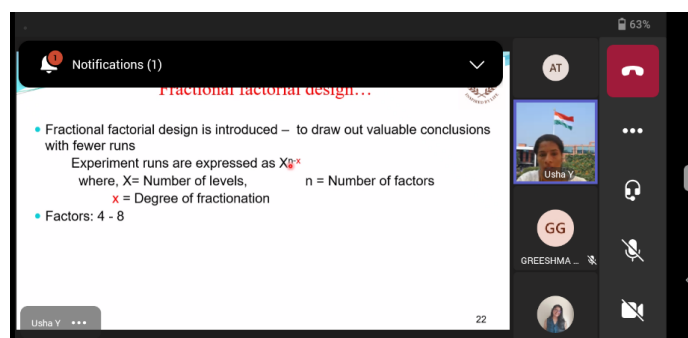
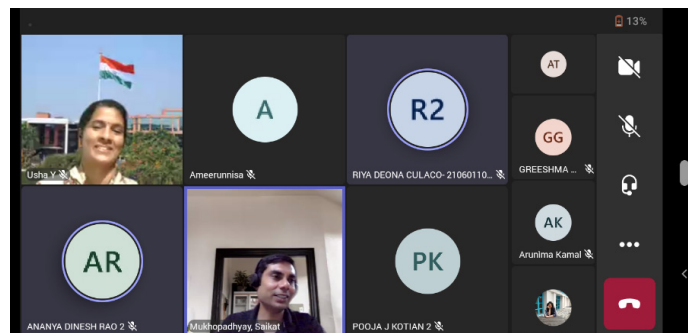
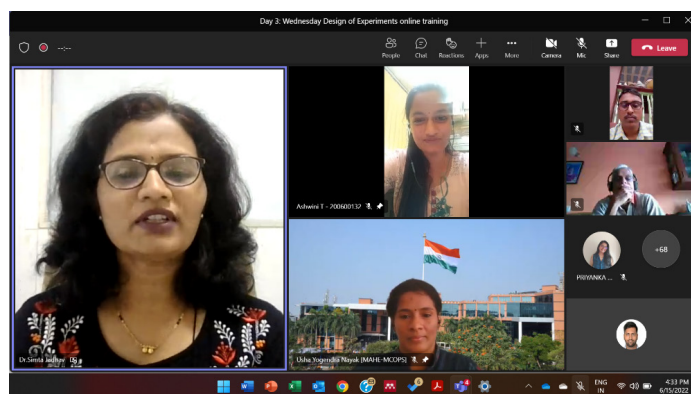
of Higher Education, on 10 June 2022 at the Ravindranath Shanbhag Seminar Hall, Manipal College of Pharmaceutical Sciences, Manipal.

The workshop was organized for the faculty of MCOPS to create awareness about online course building and to encourage them to create industry-oriented courses that can be offered online to students. Dr Anoop Kishore, Associate Professor, Department of Pharmacology, MCOPS, who is also the coordinator of the Centre, was the resource person. 12 teaching faculty from MCOPS participated and attended the workshop.

Centre for Drug Testing, MCOPS, organized Online Course on "Design of Experiments"

13-21 June 2022: The Centre for Drug Testing, Department of Pharmaceutics and Innovative Communication Club (I2C), Manipal College of Pharmaceutical Sciences, MAHE, Manipal conducted an online course on "Design of Experiments" from 13 to 21 June 2022, during the Summer School Program organized by MAHE Student Research Forum under the aegis of the Directorate of Research. The online course was coordinated by Dr Usha Y Nayak, Associate Professor – Senior Scale, Dept of Pharmaceutics, Coordinator-Centre for Drug Testing, Faculty Coordinator-I2C, MCOPS, MAHE, Manipal. The nine-day course included talks on various topics on Design of Experiments, along with participant engagement activities like quizzes, discussions, hands-on session and case studies. Topics such as "Quality by Design" and "Introduction to Design of Experiments", screening designs, RSM designs along with case studies discussion was covered by Dr Usha Y Nayak. Dr Jayesh Mudgal, Associate Professor, Dept of Pharmacology, MCOPS, MAHE, Manipal, shared his expertise on the topic of statistical analysis and tools in research and discussed its application. The distinguished speaker from Indoco Remedies Ltd, Mumbai, Dr Simta Jadhav, explained QbD methodology to identify critical material attributes and critical process parameters with relevant case studies practically applicable in the industry. Dr Saikat Mukyopadhyay, Novartis, Hyderabad, explained the Mixture Design with relevant case studies. The program concluded on 21 June 2022 with an assessment test. Ms Ashwini T, Dr TMA Pai Research Scholar & Executive Member of MAHE-SRF, Department of Pharmaceutics

coordinated the program during the course duration.



Manipal-Schrodinger Centre for Molecular Simulations Organized Interaction with Dr. Thomas, Senior Director, Applications Science, Europe, Schrödinger

27 June 2022: **Dr. Thomas, Senior Director, Applications Science, Schrödinger-Europe,** shared his views and

interacted with faculty members and research scholars of MAHE and MCOPS on 27 June 2022 at 10.00 am in Prof PGR Conference Hall, MCOPS on the topic “From Ideas to Medicines - Discovery of clinical candidates with an ML-driven physics-based technology platform”. With the advent of established physics-based modelling, make-on-demand commercial libraries as well as generative ML models, the number of purchasable or synthesizable compounds available for virtual screening and lead-optimization has grown explosively in recent years. The Schrödinger molecular design platform covers methods ranging from ultra-fast, approximate approaches through a range of AI-enhanced physics-based in-silico simulation methods to advanced ligand docking approaches to be tailored for a given project. The interaction focused on presenting summary results across a number of discovery programs and their recent advances.



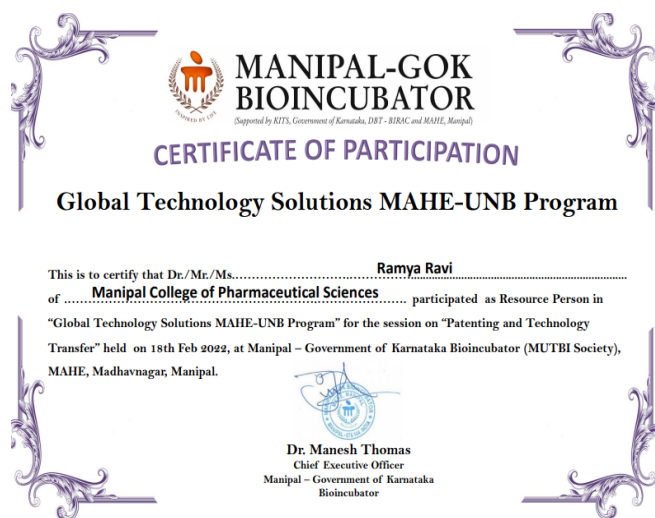
Virtual Guest Lecture Delivered by Ms. Ramya Ravi Organized by MUTBI

18 Feb 2022: In connection with the initiative undertaken by Government of India, the Manipal – Government of Karnataka Bio Incubator (MUTBI Society) regularly organizes a series of learning sessions under the Global Technology Solutions MAHE-UNB to comprehend the activities on Intellectual Property Rights. One of the sessions was presented by Ms Ramya Ravi on the topic “Patenting and Technology Transfer” conducted on 18 Feb 2022 at 5:30pm. The session was attended by participants from Canada, South Africa, and other nations. The session detailed patenting practices undertaken in India and Canada. It further explained the importance of university- industry technology transfer activities.

GUEST LECTURES

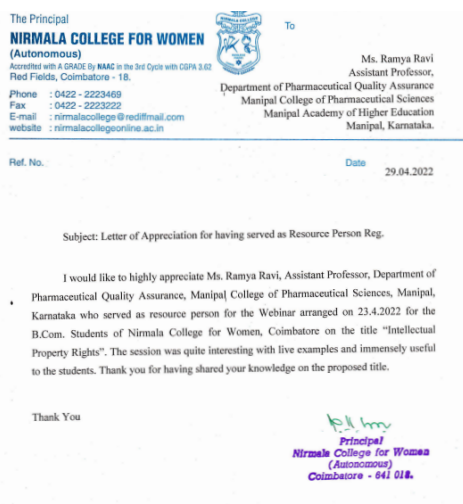
24 March 2022: Guest Lecture Delivered by Ms. Ramya Ravi in Webinar Organized by Nirmala College for Women in Association with Institution’s Innovation Council under Ministry of Education (GOI)

The Department of Commerce, Nirmala College for Women, Coimbatore, as a part of the initiative undertaken by the Institution’s Innovation Council (IIC) under the Ministry of Education (Government of India), organized a webinar on the theme “Marching with Hope”. As a part of the webinar, Ms Ramya Ravi delivered a lecture about Intellectual Property Rights on 24 March 2022 from 3 to 5pm, She elaborated on copyrights and trademark practices with appropriate case studies. The session was attended by students and faculty members of Nirmala College for Women.



Guest Lecture Delivered by Ms Ramya Ravi in Webinar Organized by Nirmala College for Women in Association with Institution’s Innovation Council under Ministry of Education (GOI)

26 Feb 2022: In continuation with the initiative undertaken by Institution Innovation Council (IIC) under the Ministry of Education (Government of India), the Department of Bioinformatics of Nirmala College for Women organized a webinar on the topic “Marching with Hope”, which was the theme of the year. As part of the webinar, Ms Ramya Ravi delivered



a lecture on “Patenting and Technology Transfer” on 26 Feb 2022 from 3 to 5pm. The session was attended by students and faculty members of various educational institutions from India. The session detailed patenting practices undertaken in India and further explained the importance of university- industry technology transfer activities.



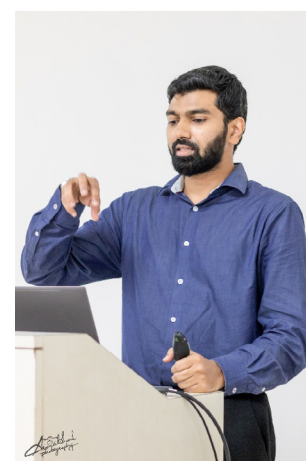
Pharmacy Literacy Club Organized Guest Talk by Dr Ahsan Farooq KK, Consultant, IQVIA

26 Feb 2022: Dr Ahsan Farooq KK, Consultant, Medical Solutions, IQVIA, Bangalore, delivered a guest talk on “A Career as Medical Science Liaison: What You Need to Know?” on 26 February 2022, from 3.30 pm to 4.15 pm through Microsoft Teams. In his talk, he had given insight into a professional career as Medical Science Liaison (MSL). In addition, he explained MSL career opportunities and skills for fresh graduates of pharmacy in MSL jobs. He also shared tips for prepare interviews for MSL jobs. The event was organized by the Pharmacy Literacy Club (PLC), Dept. of Pharmacy Practice to enhance the learning experience & support students in their academics and extracurricular activities. PLC is a students’ initiative to provide a platform for capacity building in the best clinical pharmacy practices & research and public health pharmacy services.



Alumni Guest Talk Series on Role of Pharmacists in Digital Health by Dr Munawar

5 March 2022: Dr Munawar Peringadi Vayalil (Product Lead, Digital Health, Kencor Health Inc., Palo Alto, USA) delivered a guest talk on “Role of Pharmacists in Digital Health” on 5 March 2022 at 3.00 pm. The event was organized by the Centre for Pharmaceutical Care (CPC), Dept. of Pharmacy Practice, in association with Pharmacy Literacy Club (PLC). Dr Munawar highlighted the applications of digital health and its importance in the healthcare industry. In addition, he described the various skills required for pharmacists to become digital health specialists in the pharma industry. The objective of this alumni guest talk series was to enhance students’ learning experience, as well as support students in their academics and extracurriculars.





Adjunct Faculty Lecture

The Department of Pharmaceutical Quality Assurance organized adjunct faculty lecture sessions from 6 to 8 April 2022. The resource person was **Dr Raghunandan HV MPharm, PhD, Founder & Chief Technical Consultant RC2 Pharma Solutions, Mysore, Karnataka**. Dr Sudheer Moorkoth, Professor and Head of Department started the session with a welcome speech. Dr Raghunandan continued the session with an introduction about himself and spoke about passion and how one should identify the passion. On the first day of the session, Dr Raghunandan discussed the role of a pharmacist in the pharmaceutical industry, and the importance of basic learning & critical thinking, regulatory compliance, and enforcement. He also gave a brief introduction to labeling and the role of schedule L and D&C Act in labeling. Dr Raghunandan also spoke about the left brain – logic, analysis, ideas, facts, math, and training. He emphasized the importance of Data Integrity in the pharma sector. Certain activities were given to students to understand the depth of knowledge about quality systems. The second day of the session focused on ICH guidelines, Pharmacopoeias, and presentation of cases on out of specification and change control. On the third day, students presented customer complaint handling, container closure system, validation, product recall, drug master file, and, annual product review. The session ended with feedback from students, followed by a photo session. The inspiring and informative session ended well and students were able to take home valuable information on many aspects of the quality system.



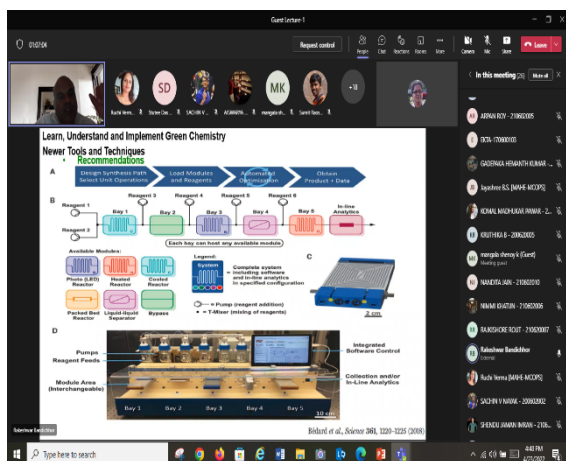
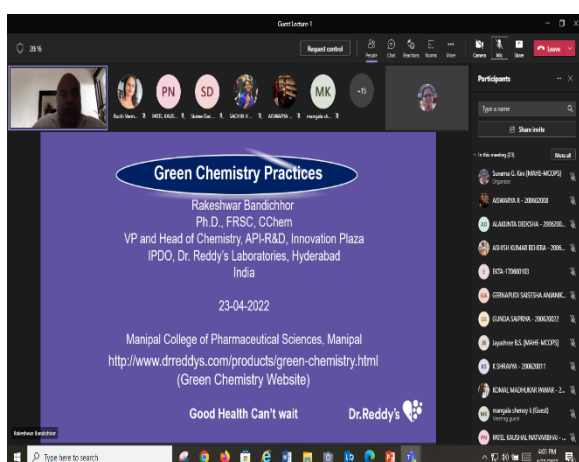


Guest Lecture organized by Department of Pharmaceutical Chemistry, MCOPS

importance of solvents in green chemistry synthesis and how to select them. He also spoke about how to optimize the reaction using green chemistry tools such as Design of Experiments and Flow Chemistry. Postgraduate students, research scholars, and faculty members participated in large numbers and benefitted from his lecture. Dr Ruchi Verma, the master of ceremonies, introduced Dr Rakeshwar to the audience. Miss Ekta Rathi, research scholar, proposed vote of thanks. The event was organized and coordinated by Dr Suvarna G Kini, HOD.

Interactive Session with Mr Rajaneesh Vats

4 June, 2022: Mr Rajaneesh Vats, Domain Consultant, Regulatory Affairs, CMC, Tata Consultancy Services, Mumbai and Department Alumnus (2002-2004 batch) held an interactive session with the students of Department of Pharmacy Management on 4 June, 2022 during which he discussed the importance of short and long-term goals for one's career. He highlighted skills everyone should possess and how to upskill to make people industry-ready. He also narrated his learnings from experience. The one-and-a-half-hour discussion was well received by students as they gained practical insights from an industry expert.



The Department of Pharmaceutical Chemistry organized an online guest lecture on 23 April 2022. Dr Rakeshwar Bandichhor (Vice President and Head of Chemistry, API-R&D, Dr. Reddy's Laboratories, Hyderabad) was invited to deliver the guest lecture entitled "Green Chemistry Practices". Dr Rakeshwar explained various concepts of green chemistry practices adopted by the pharmaceutical industry. During his talk, he covered topics such as preventing waste, maximizing atom economy, reaction mass efficiency, and mass intensity. He also elaborated on the contribution and

Interaction with Alumnus Mr Ritesh Roshan Chaudhary

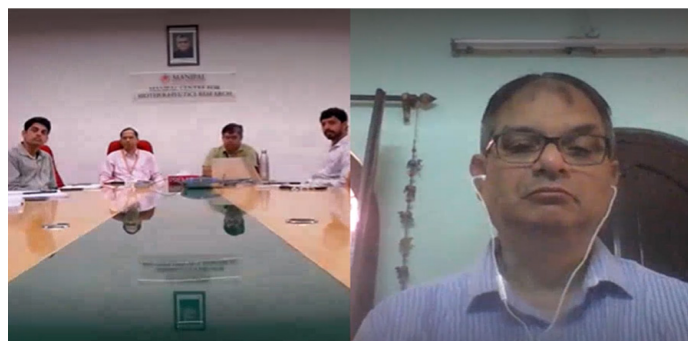
Interaction with Alumnus Mr Ritesh Roshan Chaudhary

Apr 08, 2022: Mr Ritesh Roshan Chaudhary (Key Account Manager at Novo Nordisk, India) and Manipal College of Pharmaceutical Sciences Alumnus interacted with second-semester postgraduate students of the Department of Pharmacy Management on 8 April, 2022. During the session, Mr Chaudhary, who has vast experience of over a decade in sales, differentiated between sales and marketing functions in industry. With an emphasis on distinguishing between sales and marketing, he spoke about skills that each of these domains require from pharma graduates. Mr Chaudhary also spoke about qualities and traits that an individual should have for a successful career in both sales and marketing. During his interaction, students clarified their doubts and learned about various aspects of pharmaceutical sales and marketing functions. The discussion lasted for about an hour and was well received by students. They learned about skills and importance of upskilling from an industry expert.



Department of Pharmaceutics, MCOPS and MCBR, MAHE Organized an Invited Lecture by Dr Biswajit Mukherjee

25 June 2022: Manipal Centre for Biotherapeutics Research (MCBR), MAHE, in collaboration with the Department of Pharmaceutics, organized an Invited Lecture by Dr Biswajit Mukherjee, Professor, Department of Pharmaceutical Technology, Jadavpur University, Kolkata on the topic “Drug Targeting with Nanoformulations” through Microsoft Teams on 25 June 2022. Dr Mukherjee highlighted the applications of nanoformulations on targeted drug therapy and discussed various scientific studies on targeting using nanoformulations. The program was jointly coordinated by Dr Souvik Dey, Assistant Professor, MCBR, and Dr Srinivas Mutalik, Professor & Head, Dept. of Pharmaceutics, MCOPS.



SPECIAL EVENTS

Observance of Matribhasha Diwas (Mother Tongue Day)

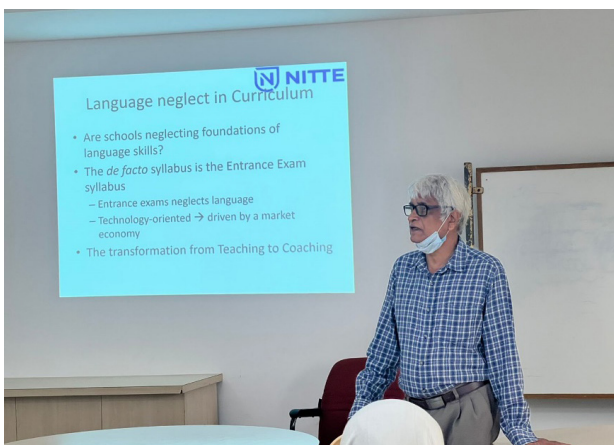
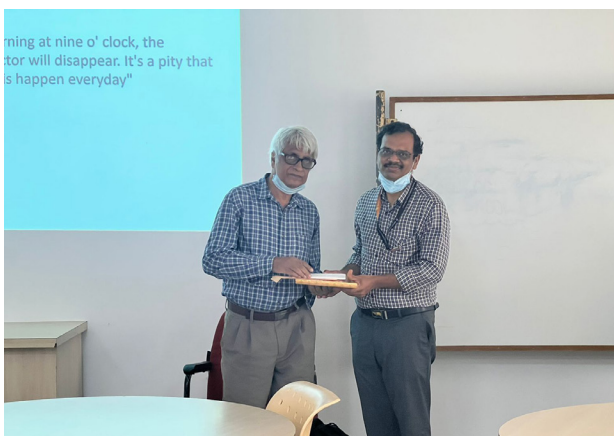
Manipal College of Pharmaceutical Sciences (MCOPS), Manipal, celebrated Matribhasha Diwas on 21 February, 2022, on the theme “Using Technology for

Multilingual Learning: Challenges and Opportunities.”

The event started with Miss Fatimazahra Murtaza Gulamhussein Moledina Manji welcoming all the guests at the gathering. The chief guest for the occasion Dr MK Unnikrishnan (Professor, NGSM Institute of Pharmaceutical Sciences, NITTE University, Mangalore) delivered the keynote address on “**Mother Tongue: Potential Role in Cognitive Development and Intellectual Growth**”. He spoke to students about the cultural values of their mother tongue, emphasizing the need for students to exhibit love and respect for their mother tongues, as well as respect for other languages. PhD scholars and students from all branches of the pharmacy department participated in the program. Dr Prasanna Kumar, Assistant Professor, Selection Grade, Department of Pharmacy Practice, MCOPS, proposed the vote of thanks.



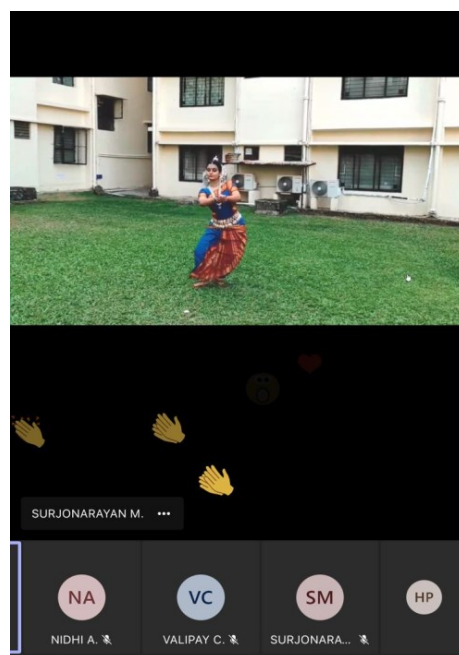
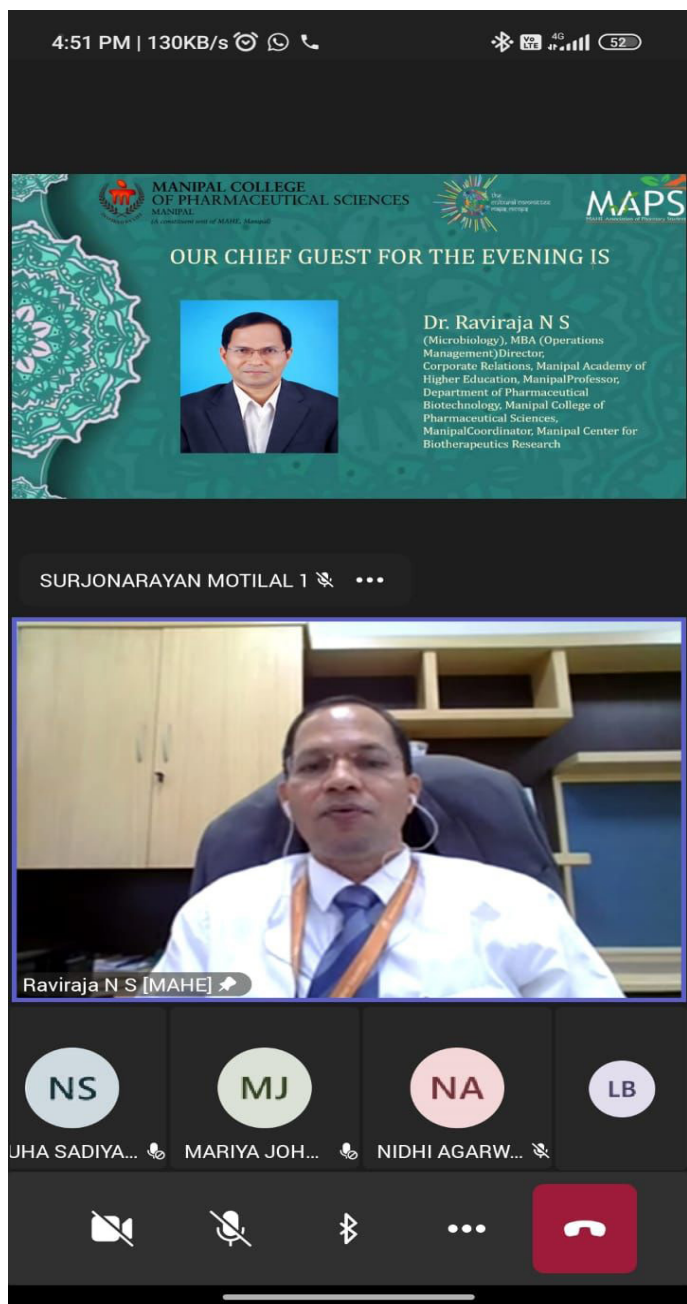
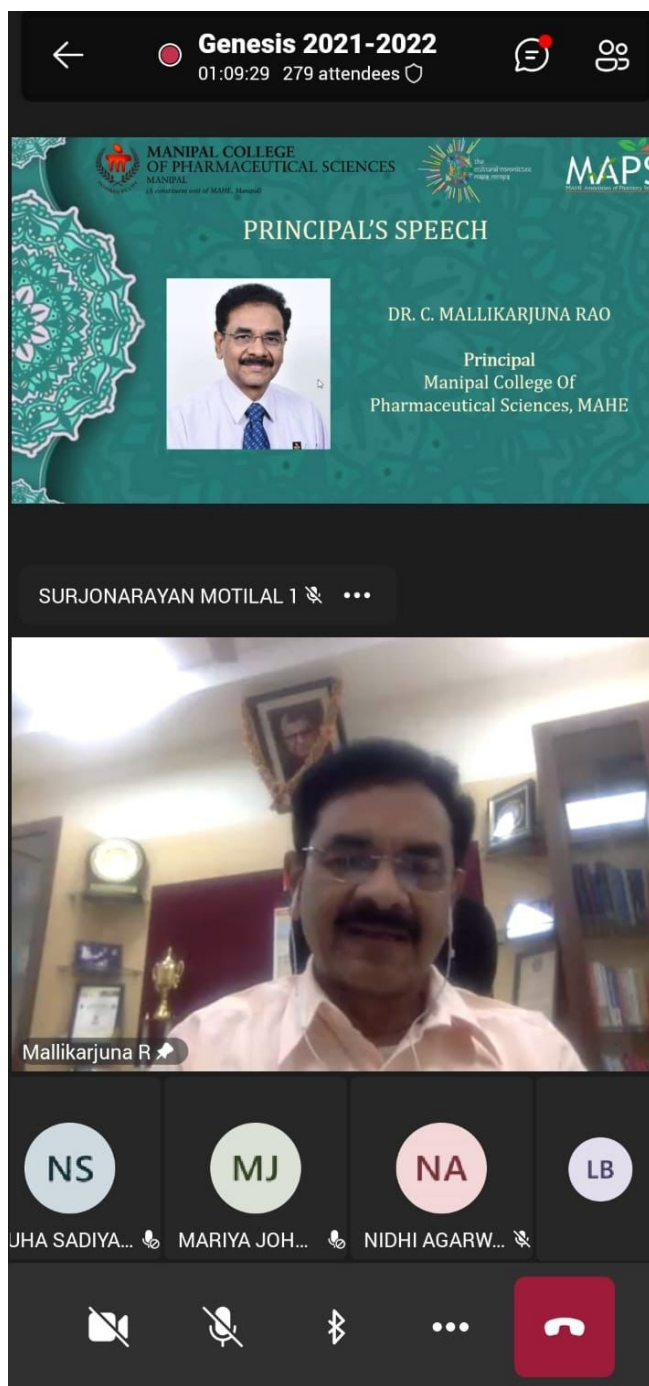
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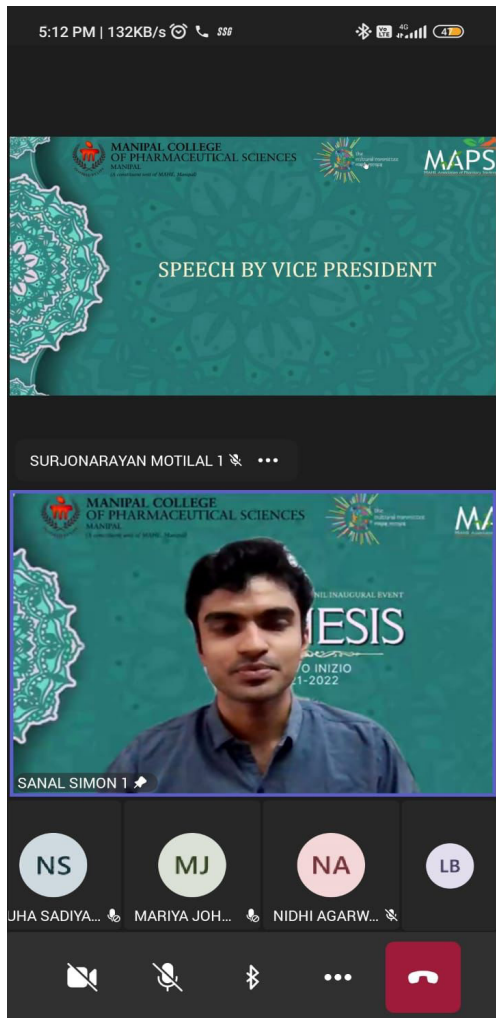
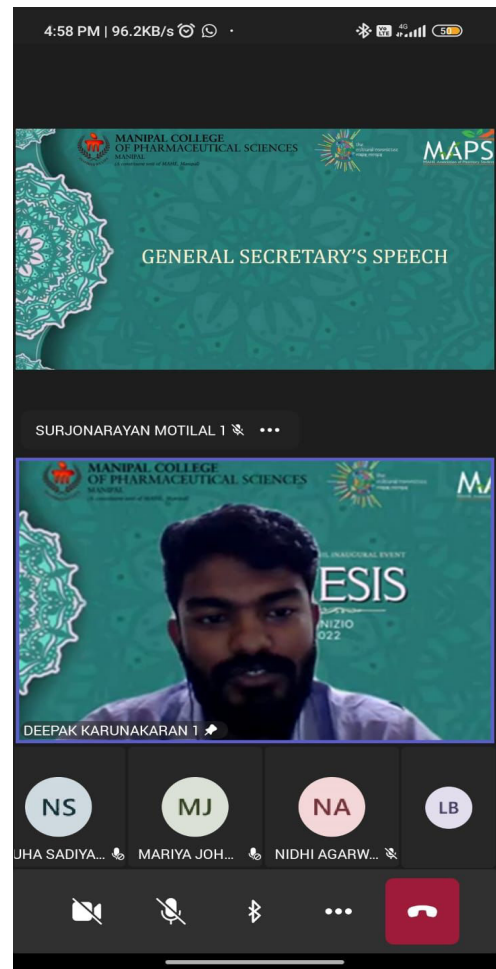
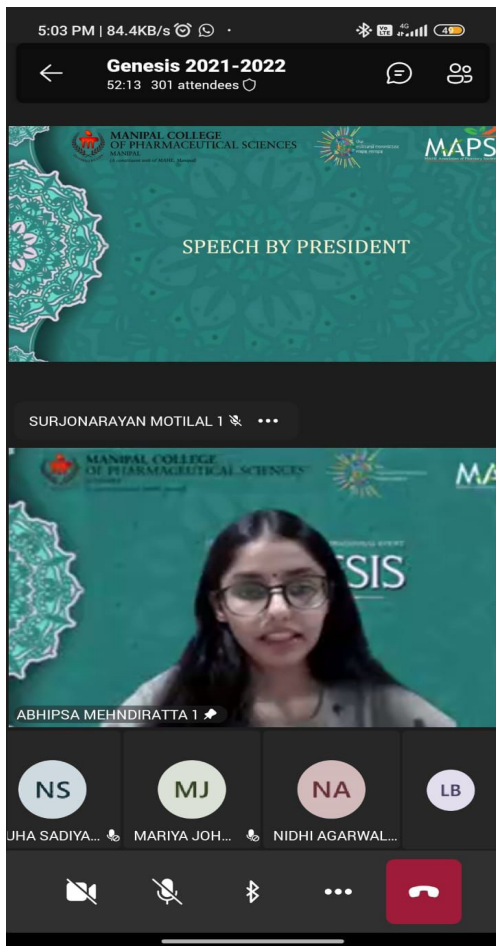


5 February 2022: Genesis is the inaugural event of the Manipal Association of Pharmacy Students (MAPS) Student Council, organized by The Cultural Committee of MAPS. This year, the event was held on 5 February 2022 at 4.30 PM virtually via MST. Ms Roopa Acharya rendered a melodious invocation. The formal event was inaugurated by Chief Guest Dr Raviraja NS, Dr C Mallikarjuna Rao, Principal, Dr Gautam Shenoy, Vice-Principal, and Dr Krishnamurthy Bhat, Coordinator, Student Affairs Committee. Dr Raviraja NS enlightened the students with his profound knowledge about the golden period of a student's life, perceiving the view of positivity in life and exploring life outside campus. It was followed by a speech by the General Secretary Deepak Karunakaran, who introduced the eight councils of MAPS. The hosts announced the council names and the general secretary delivered a brief speech about the councils. Ms Abhipsa Mehndiratta, President of MAPS, shared her experiences working for the council and her vision for the year 2022. The Vice President, Mr Sanal Simon gave a briefing about the Manipal Association of Pharmacy Students to his juniors. Dr C Mallikarjuna Rao rendered a motivational speech through her wise thoughts. The Vice President proposed vote of thanks at the end. The masters of ceremony of the formal event were Ms Rajeswari and Ms Nidhi Aggarwal.

The informal event was hosted by Ms Arjita Nanda and Ms Valipay Hari Chandana. The introduction began with a mesmerizing traditional Odissi dance by Ms

Madhuja Sen. The hosts played videos of the President, the Vice Presidents and the General Secretary sharing their experiences of previous years. Finally, the event ended with a series of videos of the councils and their members introducing themselves to the audience.





MAHE Observed World Environment Day

4 June 2022: Manipal Academy of Higher Education (MAHE) celebrated World Environment Day on 4 June 2022 at 9.00 am. The formal program began with flag off by Dr H S Ballal, Pro Chancellor, MAHE and Lt Gen Dr MD Venkatesh, Vice Chancellor, MAHE at the manipal.edu building. Students from local schools including Madhava Kripa School and Indrali English Medium High School, as well as students and staff of various MAHE institutions were present in the program. 10 MCOPS students, along with the Coordinator Dr Vasudev Pai, attended the rally. The assembled crowd moved to Madhava Vihar Garden for Vanamahotsava and saplings were planted by VIPs like Dr HS Ballal, Dr MD Venkatesh, Dr Narayana Sabhahit, Dr (Cdr) Anil Rana, Dr Geetha Maiya, Col Prakash Chandra and Heads of the MAHE institutions. The crowd then moved to Madhava Kripa School New Block, where the official program started with invocation by the school's students and the welcome address by Dr Narayana Sabhahit, Registrar, MAHE. A brilliant speech about the World Environment Day by Ms Vrudhi Bhat, student of Indrali English Medium High School, was the highlight of the program. Dr (Cdr) Anil Rana, Director, MIT,

Manipal, delivered the Environment Day message. Dr Geetha Maiya, Director, Student Affairs, MAHE proposed the vote of thanks. The program ended with the National Anthem and breakfast was served to all the participants thereafter.





Campus Visit by BPharm Students of Nirmala College of Pharmacy, Muvattupuzha, Kerala

A group of 57 eighth-semester BPharm students, along with 3 faculty members of Nirmala College of Pharmacy, Muvattupuzha, Kerala, visited Manipal College of Pharmaceutical Sciences and associated facilities on 26 March 2022. The visitors interacted with various department staff members and research scholars. They also visited the University Central Library, Marena Indoor Stadium, Manipal Museum of Anatomy and Pathology, and Department of Pharmacy Practice. The visitors were also informed about the admission process for higher studies and possible research collaborations. They left the institution by noon on the same day.



Campus Visit by PharmD Nirmala College of Pharmacy, Muvattupuzha, Kerala

On 28 March, 2022, a group of 29 fourth-year PharmD students and two faculty members from Nirmala College of Pharmacy in Muvattupuzha, Kerala, paid a visit to the Department of Pharmacy Practice and related facilities. Dr Mahadev Rao addressed the visitors and explained the department activities, and their focus on research and practice. They also visited Manipal College of Pharmaceutical Sciences, the University Central Library, the Manipal Museum of Anatomy and Pathology, and Marena Indoor Stadium. The visitors were also informed about the admissions procedure for higher education and potential research collaborations. By noon on the same day, the guests had departed the institution.



BLOOD DONATION DRIVE 2022

Organized by the Community Development Committee, MAPS



The annual blood donation drive, organized by the Community Development Committee, MAPS, MCOPS was conducted on 14 April, 2022, at the KMC Blood Bank, Manipal. Many students and faculty members from other colleges participated and donated blood. This year, the drive helped to collect 34 units of blood.

Members of the CDC were available at the blood bank to guide donors and ensure smooth management of the crowd. All donors received a certificate and a badge from the blood bank in recognition of their blood donation.

The program was conducted with the guidance and support of Dr Prasanna Kumar, Community Development Committee, MAPS, MCOPS and Dr Shamee Shastri, Professor and Head, Department of Immunohaematology, Kasturba Medical College, Manipal.

MCOPS Annual Sports Meet: Athlos 2022

21 April 2022: Manipal College of Pharmaceutical Sciences conducted its Annual athletic meet Athlos on Thursday 21 April 2022 at MIT Athletic Grounds. The formal inauguration started at around 9:15am and the chief guest was Dr (Cdr) Anil Rana, Dean, Manipal Institute of Technology. The march past began with a salute from all MCOPS student contingents to the chief guest. The inaugural program started with a welcome address by Dr C Mallikarjuna Rao, Principal, MCOPS and chief guest address by Dr (Cdr) Anil Rana. Dr Gautham Shenoy (Vice-Principal, MCOPS), Dr Narayana Prabhu (Assistant Director of Physical Education), Mr Shridhar Handratta (Director, Physical Education at Manipal Institute of Technology), and Dr Vasudev R Pai (Sports Advisor, MCOPS), all the Heads of the Departments and faculty members of MCOPS were present during the inauguration program. The formal athletic meet opened with the chief guest releasing the colored balloons, followed by the lighting of Olympic torch, oath taking, and declaration of the meet open. The vote of thanks of the inauguration was given by Dr Pai. Students from B Pharm, D Pharm, Pharm D, M Pharm courses, as well as research scholars participated in different sports events with true sportsman spirit throughout the day. The valedictory program began at around 5:00pm with Dr Rao distributing trophies, medals, and certificates to all the winners. 3rd Year B Pharm students were announced as the overall champions, while the 4th year B Pharm were announced as the runners up. Athlos 2022 concluded with the vote of thanks by student sports secretary Miss Ishika Raj.







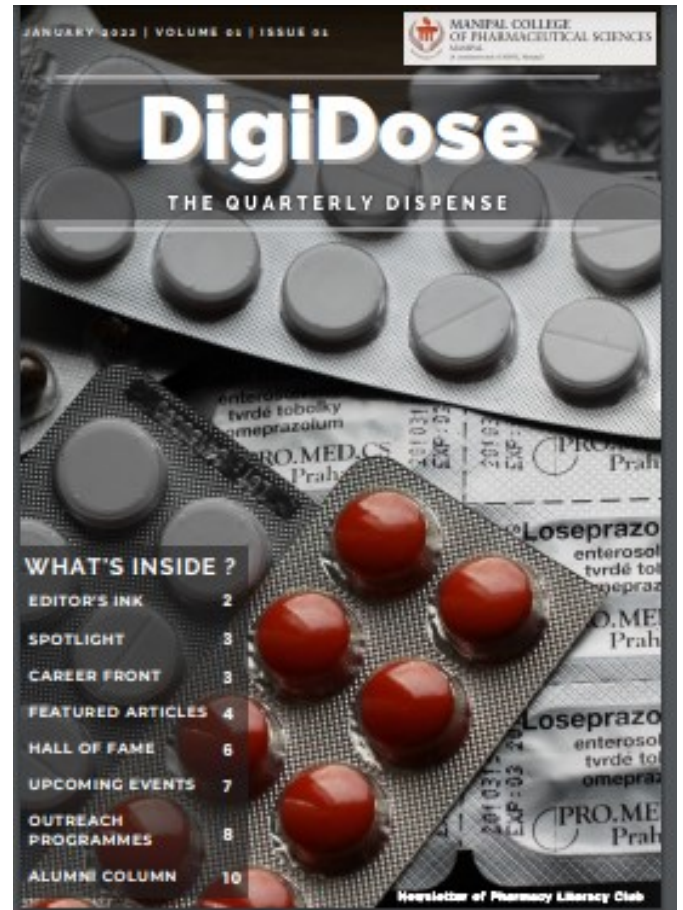
First Issue of DigiDose Released by Pharmacy Literacy Club of Department of Pharmacy Practice, MCOPS

The Department of Pharmacy Practice's Pharmacy Literacy Club (PLC), released the first issue of their quarterly newsletter DigiDose on 5 February 2022. Dr Gabriel Sunil Rodrigues (Former Professor & Head, Department of Surgery, Kasturba Medical College

& Hospital) released the newsletter. The e-newsletter tries to showcase the regular activities of the Pharmacy Literacy Club (PLC) and Department of Pharmacy Practice.

The first issue of DigiDose can be accessed via the following link:

<https://drive.google.com/file/d/1SNVbCdgxVuaFL6uLIcEgavbIl8Mokit4/view?usp=sharing>





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