



## RUAS to build Ramaiah Nano Sat ISRO to Launch



**R**amaiah University of Applied Sciences (RUAS) under Gokula Education Foundation (Medical) signed a Memorandum of Understanding with Indian Technology Congress Association (ITCA) to develop and build a Nano Satellite.

The Satellite costing ₹1 crore will be built under the monitoring of Indian Space Research Organization (ISRO) and ITCA, which is the nodal agency for building the 75 student's satellite, a mission announced by Prime Minister Shri Narendra Modi.

Prof. Kuldeep K Raina, Vice-Chancellor, RUAS and Shri. L V Muralikrishna Reddy, ITCA President, inked the pact in the presence of Dr. M R Jayaram, Chancellor, RUAS, M R Sreenivasa Murthy, Chief Executive, Gokula Education Foundation (Medical) and other dignitaries.

"Ramaiah Sat" will be a 1.6 kg class satellite with a 300 grams IoT (Internet of Things) payload for monitoring other satellites.

ISRO will launch the satellite with UHF and VHF links with a satellite ground station at RUAS Peenya Campus.

The Satellite mission functional attributes are water quality monitoring, providing wireless communication network in remote areas, passive radar for weather monitoring and fisherman SOS.

Students of RUAS under the guidance of faculty are in the final stages of building its NANO Satellite. Ramaiah Sat is expected to be launched by ISRO in December 2022.





**RAMAIAH**

July - August 2022

## **Malnutrition is the enemy of society. Feed the child. Balanced diet for a healthy tomorrow.**

ಜ್ಞಾನವಾಹಿನಿ  
**Jnana Vahini**

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**M**alnutrition in India is not a new thing. Malnutrition could mean undernourishment or over nourishment with missing micronutrients which leads to obesity. India's malnourished children and bad health is the result of not having enough food or enough of the right kind of food. Thin infants and children with pot bellies is a common sight in rural India. A balanced diet is a far cry when basic food to fill their stomachs is not available. Statistics tell us that 44% of the children under 5 years of age are underweight. Anemia due to malnourishment is common among children as well as women. Shockingly, 52% of married women and 72% of infants are underweight. Neglected pregnancies, ill fed and undernourished women during pregnancies create risk for the future health of those who are born with reduced cognitive abilities. Lack of food security, social inequality, and economic disparities causes malnutrition. The National Family Health Survey in India indicates that India perhaps has the highest number of children with poor nutrition. The survey says that 15% of the disease burden in the country is because of malnutrition in children and women. The numbers in Karnataka are no different. The figures in August last year showed around 3, 50,000 moderately malnourished and nearly 8000 severely malnourished children. The midday meals provided in schools and anganwadis need to be re-planned so that nourishment to the children is wholesome and nutritious.

We, at Ramaiah, have taken up many programmes to enhance the health status of the children. Awareness campaigns and educating the women in the family to look after themselves and their children on priority has been taken up by the hospital. We need to feed the child right for a better future.

At Ramaiah Medical College the department of community medicine is working very closely with the primary health care system in addressing the screening, diagnosing and educating the stakeholders regarding issues pertaining to malnutrition. Faculty and student participation in the training programs have created awareness and inputs to the RBSK program in BBMP areas.

Paediatrics and community medicine departments regularly conduct the school health screening for assessing the nutritional status of children and address the issues of malnutrition. Several symposia and continued medical education programs are conducted for disseminating the advances in the area of therapeutic nutrition as well.

## Chamber Honours Dr. M R Jayaram



**O**ur beloved Chairman Dr. M R Jayaram was felicitated by Bangalore Chamber of Industry and Commerce for his significant contributions to health, education and industry, in its 45<sup>th</sup> Annual General Meeting.

Speaking on the occasion Dr. M R Jayaram, said, "one should put continues efforts to grow in the industry. Without hard work there is no gain. The youth are the true wealth builders of the nation, I salute them, and if there is no wealth there is no nation. Next three decades is going to be the turning point of our country," Dr. Jayaram advised the youth.

Dr. K Kasturirangan, Advisor ISRO, Mr. K R Sekar, President, BCIC, Dr. L Ravindran, Senior vice President, BCIC and other dignitaries were present.

## Congratulations Madam



Dr. Shalini C Nooyi, took charge as Principal & Dean, Ramaiah Medical College & Hospital, on 11<sup>th</sup> August, 2022.

**D**r. Shalini C Nooyi, Professor, Community Medicine, has more than 30 years of experience. She joined Ramaiah Medical College, Department of Community Medicine in 2009 and was promoted as Vice Principal (Academics) in February 2020.

She has conducted several funded projects as a principal investigator/ co-investigator from organizations such as Ford Foundation, USA; UNIDO-GEF/Gol; ICMR and RGUHS. She has also been appointed as the Programme Director for Ramaiah International Centre for Public Health Innovations (RICPHI) through which projects have been submitted to various funding organizations.

# Heart Beats

**"First of all, learn to manage life. Try to get into a healthy lifestyle along with your work. We should have time for ourselves, hangout with your friends and spend time with your peer groups, practice exercise and get a healthy life." - Dr. Anupama V Hegde, Associate professor Department of Cardiology, Ramaiah Medical College & Hospitals.**

**T**he recent incidents of heart attacks especially on youngsters becoming victims of the deadly bouts of heart attacks have made cardiologists to deliberate on reasons and its curatives with lifestyle modifications.

The recent incidents of several well-known celebrities, like Kannada Cinema Icon Puneeth Rajkumar, and K K (a popular singer who died on the stage during performance due to cardiac arrest) who were known to live healthy lifestyles, died of heart attacks. This raises a pertinent question on why the younger population have become more prone to heart illness, such as sudden cardiac arrest and heart attacks.

**In an interview to Ragi Saggere, of Corporate Communications, Dr. Anupama V Hegde, a specialist cardiologist and a consultant at Ramaiah Medical College and Hospitals, has discussed in detail all the issues on heart diseases and its complications along with remedial measures.**

**How do you read the death of young celebrities like Puneeth Rajkumar, and KK in recent days?**

Today youths either binge workout or do not exercise at all. They are going crazy about having six packs. All these factors are affecting youth. The exercise you do should be observed and graded. We have to slowly build the stamina. Excessive exercise puts a strain on the heart, and some people

use anabolic steroids to grow muscle. Anabolic steroids can trigger heart attacks in certain people.

Without enough blood supply coronary artery disease can lead to angina (chest pain). Over time, the heart has to work harder, possibly causing heart failure (when the heart cannot pump efficiently) or arrhythmia (when the heart beats irregularly or too quickly). The damaged arteries may become completely blocked, or become prone to clotting, causing a heart attack.

**Post Covid we see a lot of people suffering from cardiac disease and youngsters are also becoming victims of it. Is there any research on this?**

Yes, Covid increases the clotting tendency and the immunological reaction increases the effects on inner surfaces of veins and arteries, and if they already have underline cardiac problems they get other heart problems easily. So, Covid affects all parts of the body. Especially it affects heart muscles, vessels and that's the reason there is an increase in heart attacks and irregular heartbeats.

**Why is there an increase in heart disease among rural people?**

As rural people are going to more urban places, not doing manual work and not having healthy food is one of the reasons for heart decease. The younger generation is influenced by televisions and mobiles and have started to adopt urban lifestyles. They

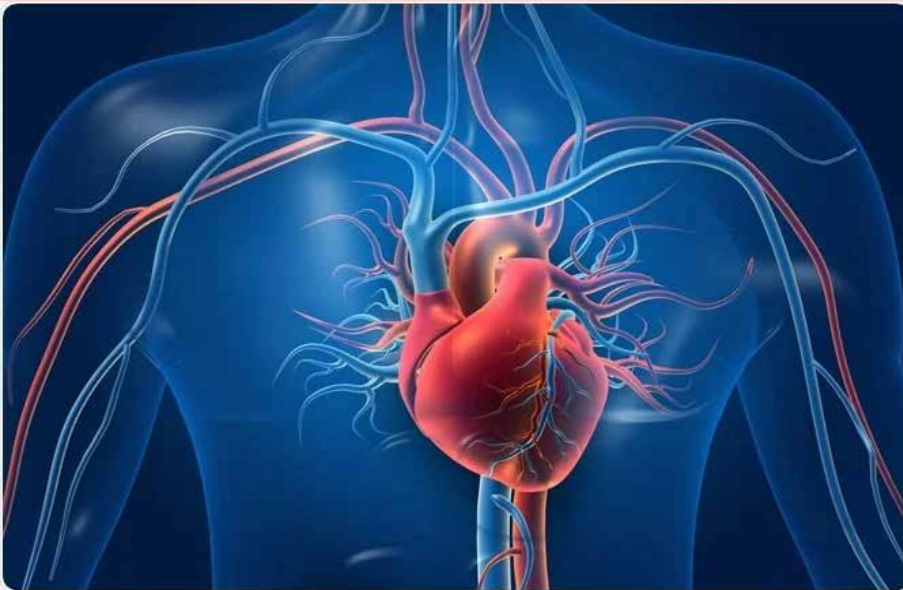
tend to go more on junk food and more mechanisation has been increased so the physical labour has reduced. Earlier they used to eat naturally grown food but now they are using more processed food. All these have changed the entire lifestyle. Rural lifestyle has changed more like urban setup, so naturally the risk has increased in heart problems too.

**What is the impact of stress and how do we manage stress?**

Stress has become another major risk factor for heart disease. People who are very proactive, who are target oriented at work and who are always in a rush to finish a project are prone to have high stress, which increases in heart problems. Higher the stress level higher the heart attacks.

To manage and maintain a proper schedule daily is a must, one should: try to stay calm, practice breathing exercises, yoga and meditation. One should need to exercise and have healthy foods. Take some time for yourself out of your job, take leisure time so you can change your lifestyle.

Nowadays, work from home culture has increased stress. Food habits have also changed. For instance, people have started to order food from outside, and all these unhealthy habits have increased the stress level. Staying away from people also leads to depression and stress. So, this increases the heart disease, especially in the younger age groups.



### What are the new developments in heart treatment?

Now heart treatment has gone robotic. This has given impetus to surgeries of heart and its variables. We have clips to retain any leaks in our hearts. All can be managed by devices. Now we can also use multiple new stents because the profile of stents has been improved and the procedures have been easier. All the treatments have evolved over the period making the process easier and more successful.

### Can hypertension cause heart disease?

Yes, hypertension is one of the well-known risk factors for heart disease. Almost 40% to 50% of the people have hypertension or diabetes or combination of both. Now diabetes per se is called Cardiac disease equivalent. If a person has diabetes and does not take care of it well he will definitely develop heart problems and even cholesterol levels will also increase very high.

### What about hypertension among Covid 19 patients?

Yes, there was a slight increase, especially post covid. There was an

increase in hypertension and diabetes. We could see some rise in cardiac problems like heart attack, palpitations, heart failure etc. These heart problems are due to the clotting in the veins because of Covid attack. But we could not find out why the hypertension went up? Why has diabetes increased? Still the research is in progress.

### Is there any data to show female specific disorders that increase heart disease?

First of all, women tend to neglect their health often. More than 50% to 70% of women come with typical problems. They come up with epidermal or gastric burn, nausea vomiting palpitations, sweating, excessive tiredness or breathlessness these also can be seen in men but women have more of these symptoms. Many women ignore these problems thinking it's normal.

One more main cause for women is stress. They are working both at home and in the office. Women get into

depression if they don't meet their goals. All these increase heart disease.

Another reason is most women want to postpone their pregnancy so they consume birth control pills, which results in clotting in the veins and affects the heart. Consuming junk food leads to rise in trans-fat, obesity, which will cause heart problems.

Do physically active women also worry about heart problems?

It depends on how physically active a woman is. Even if she is physically active her mental status should be stress free. For instance, many women have successfully managed her family and work because they have given time for themselves and also have disciplined lifestyles.

### Are men more exposed to heart disease or women?

If we see the research and literature the heart disease in men are always higher than women because male sex itself is more predisposed factor for heart disease. Habits of tobacco chewing, smoking, drinking and lack of exercise are the main causes for heart problems.

But now women are equally beating them because there is an increase in diabetes in both. So, once you develop diabetes the protective factors in women before menopause is that they lose Estrogens. So now both men and women are at the same risk.



**Dr. Anupama V Hegde**  
Associate professor  
Department of Cardiology  
Ramaiah Medical College & Hospitals

## “Sunshine” Vitamin: A Sun absorbing molecule in our body

**V**itamin D, aka the sunshine vitamin, is an important fat-soluble vitamin that plays multiple roles in our body. A recent study shows insufficient intake of vitamin D impacts around 50% of the population across the world. Any people are deficient in vitamin D because they lack sunlight exposure; eat few foods that contain this critical vitamin.

Vitamin D has so many benefits our body needs! Let's look at how one can get more of this essential vitamin into your diet.

**Mrs. Hema Arvind, Chief Clinician, and Dietetics, Ramaiah Memorial Hospital, in conversation with Ragi Saggere of Corporate Communications, discusses the importance, criticality, and body need for Vitamin D.**

### Describe vitamin D. How it is helpful to our body?

Vitamins are essential to our body. There are two kinds of vitamins: fat- and water-soluble. Vitamin D is a fat-soluble vitamin. Vitamin D is often known as the "Sunshine Vitamin", because it is absorbed from the sunlight.

Vitamin D is an antioxidant, a type of molecule that plays an important role in a wide variety of our body's functions. There are two types of vitamin D – D2 and D3. Both D2 and D3 can be beneficial for your health.

### What are the signs of a vitamin D deficiency?

Fatigue and exhaustion, mood problems, reduced immune function, and weaker bones. To potentially avoid these issues, make sure to get enough vitamin D from supplements and sunlight!!

### What are the causes of vitamin D deficiency?

There are many reasons for vitamin D deficiency. Lack of exposure to sunlight is another major factor; as we all know, the idea of working from home has stopped us from stepping outside to enjoy the sunshine. We need to expose ourselves to natural light.

Following a poor diet may play a vital role as one of the main reasons; for instance, an unhealthy lifestyle or consuming an excessive amount of one type of food may result in deficiencies. People, who are trying to lose weight, may often stick to one type of diet, such as consuming only fruits one week and only vegetables another, this might lead to an imbalance diet and cause vitamin D deficiency.

One can get vitamin D through sunlight between 10.30 a.m. - 11.00 a.m. however, many individuals choose not to go outside during this time due to fear of becoming scorched and tanned. Further, using more sunscreen creams will stop your body from absorbing vitamin D.

### Who has a greater vitamin D deficiency? Vegetarians or non-vegetarians?



In reality, majority of the people today are vitamin D deficient. Whether they are vegetarians or non-vegetarians it doesn't matter. Vitamin D is more commonly found in animal source food such as meat, fish, and so on. Since vegetarians do not consume all of these, they are deficient, but they can compensate by milk products like paneer, cheese, butter and cereals, mushrooms, etc. Having fortified milk products are more beneficial for them. It's important to eat seasonal fruits and vegetables to gain all the vitamins.

### Which are the best sources of vitamin D supplements?

Leafy vegetables, poppy seeds, milk, curds, paneer, butter, cheese, and other animal products should be consumed to improve vitamin D levels. Since vitamin D and calcium are connected, consuming calcium-rich foods will also aid to enhance vitamin D.

### What happens if you overdose on vitamin D?

Vitamin D should not be consumed frequently. However, it works well when taken as prescribed by a physician. If a person becomes aware of Vitamin D deficiency, they should see their doctor before going to the chemist for a supplement tablet. In general, anything taken in excess can cause problems.



**Hema Arvind**  
Chief Clinician, and Dietetics  
Ramaiah Memorial Hospital

## Inter-Disciplinary Community Based Training Programme at Kaiwara

The Department of Community Medicine in association with departments of Physiotherapy, Nursing and Pharmacy successfully conducted the rural component of ID-CBTP-2022 at Kaiwara. The residential program was conducted from 18<sup>th</sup> to 29<sup>th</sup> July in 2 batches for the students from 2<sup>nd</sup> and 3<sup>rd</sup> year MBBS, 4<sup>th</sup> year BPT, 3<sup>rd</sup> year nursing and PharmD. The faculty coordinators

were Dr. Dinesh Rajaram and Dr. Ananth Ram. The activities included social mapping, rural livelihood simulation game, school health check-up, household family profile survey, community and school health education, visits to Spandana school for specially abled children, Anganwadi centres, Primary health centre and Chintamani taluk hospital. For Shramadaan, the students voluntarily planted saplings, painted

the school and Anganwadi buildings, gifted stationary, and first aid kits to the community. The urban component of the program for the 3<sup>rd</sup> year MBBS students comprised of visits to the water treatment facility at T.K.Halli, sewage treatment plant and milk dairy at Yelahanka. During the Valedictory functions held on the 28<sup>th</sup> and 29<sup>th</sup> July, the students presented their experiences, learning's and insights.



Thanksgiving: students voluntarily planted saplings, painted the school and Anganwadi buildings, gifted stationary, and first aid kits to the community.

Students presented skits to the community on prevention and control of mosquito-borne infections and non-communicable diseases

Students visited the Chintamani sub-district hospital to learn about the services provided at the secondary care level and participated in a training programme.



## Breastfeeding Lessons for Community

**B**reastfeeding is the basis of infant and young child's survival, nutrition, development and maternal health. This year's theme being – Step Up Breastfeeding – Educate and Support as mentioned by WABA. Focusing on strengthening the capacity of factors that have to protect, promote and support breastfeeding across different levels of society. These factors make up the warm chain of support for breastfeeding. Target audiences including governments, health systems, workplaces and communities will be informed, educated and empowered to strengthen their capacity provide and sustain breastfeeding-friendly environments for families in the post pandemic world. Every year, the Department of Community Medicine, Ramaiah Medical College has been celebrating World Breast Feeding Week on a large



scale at the community level both at urban and rural filed practice areas. Many antenatal mothers, postnatal mothers and their family members were educated and provided information to enable breastfeeding and importance of family support.

During this campaign, awareness session was provided to 14 sessions, 91 Antenatal women, 106 postnatal mothers, and 113 general public. On the occasion of World Breastfeeding Week celebration, rallies were organized by the Bruhat Bengaluru Mahanagar Palike at various primary health centers, in order to educate and support to build awareness to step up breastfeeding at all levels from mother to family to health system to community.

A complementary cooking competition was conducted on 3<sup>rd</sup> August 2022.

## World Breastfeeding Week Celebrations



World Breastfeeding week was celebrated in Ramaiah Hospitals on 1<sup>st</sup> August, 2022. Dr. K C Gurudev, President, Ramaiah Memorial Hospital,

Dr. Somashekar A. Prof. HOD, Dept. of Paediatrics, Dr. Sujani BK, Prof. Head of OBG, Dr. Nandini and others were present at the event. OBG PG students and interns also performed a skit at Ramaiah Memorial Hospital.





# Workshop on Endoscopic Sinus Surgery and Anterior Skull Base

The Endoscope is a tool to see unseen areas with clarity – this was reiterated after witnessing the exclusive and unique Hands on Workshop of Cadaveric Endoscopic Sinus Surgery and Anterior Skull Base, held on August 18<sup>th</sup> and 19<sup>th</sup>, 2022 at Ramaiah Advanced Learning Centre.



This workshop was conducted as part of the Centenary Birth Anniversary celebration of Founder Chairman, Dr. M. S. Ramaiah. It was organized for 2



days. Dr. Chandrakiran C. Prof. & Head Dept. of ENT, Ramaiah Medical College and Hospitals spoke on advanced FESS and endoscopic anatomy beyond the sinuses.

The faculty also demonstrated the techniques and steps involved in Basic FESS, including Endoscope handling, Uncinectomy, Middle meatal antrosotomy, intact bulla Frontal Recess approach, Anterior and posterior Ethmoid clearance, Endoscopic Endonasal DCR and raising a Hadad Bassegasteguy flap.

Dr. Rakshith, Dept. of Neurosurgery spoke on the Neurosurgical perspective of endoscopic surgery. Followed by demonstration by Dr. Chandrakiran C, of advanced endoscopic procedures like skull base

surgeries, including Endoscopic Transnasal approach to Sphenoid sinus and beyond, cavernous sinus and Internal Carotid Artery anatomy, Trans-sphenoidal Hypophysectomy, optic nerve decompression, Orbital decompression, Medial maxillectomy, Trans-maxillary approach to Pterygoids, Pterygopalatine fossa, Sphenopalatine foramen and Infratemporal fossa approaches and Lothrop procedure.

Dr. Shalini C Nooyi, Principal and Dean, Dr. Sanjay C Desai, Director, Advanced Learning Center, Dr. Shakuntala, Deputy Director, Advanced Learning Center graced the occasion and addressed the gathering.



## Congratulations Sir

Dr. Ramesh D, Prof. and HOD, Dept. of Urology, Ramaiah Medical College received Doctors Day award from Dr. Kiran Bedi at Delhi in the Economic Times conclave on the occasion of Doctors Day.



## Doctors Day Celebrations

World Doctors Day was celebrated at Ramaiah Memorial Hospital on 1<sup>st</sup> July, 2022. Awards were given to the faculty members and outgoing postgraduates at this event. M R Sreenivasa Murthy, Chief Executive, Gokula Education Foundation (Medical), Dr. Medha Y Rao, Principal and Dean, Dr. Shalini C Nooyi, Vice Principal, Ramaiah Medical College, Dr. K C Gurudev, President, Ramaiah Memorial Hospital, Dr. Harish, Associate Dean and others were present at the event.



The Dept. of Community Medicine at Ramaiah Medical College organized a community event at Gobbaragunte Village on 2<sup>nd</sup> July, 2022. The event also included 'Village Family Adoption Program' at Avathi Primary Health Centre.

Dr. Medha Y Rao, Principal and Dean, Dr. Shalini C Nooyi, Vice Principal, Ramaiah Medical College along with staff, PGs, MSW students, first-year MBBS students and others were present.



The Dept. of Urology, Ramaiah Medical College, conducted the 33<sup>rd</sup> Annual Conference of Association of Southern Urologists (SZUSICON 2022) on 8<sup>th</sup> to 10<sup>th</sup> July, 2022, at Ramaiah Medical College.

M R Sreenivasa Murthy, Chief Executive, Gokula Education Foundation (Medical), Dr. Medha Y Rao, Principal and Dean, Dr. Ravindra Sabins, President, USI and others were present.



Career Guidance Cell of Ramaiah Medical College in association with GooCampus organized an exclusive talk on "An Orientation to UK Healthcare system - Working in the NHS" by Dr. Zubair Ahmad, GP, ABMA Director, UK on 13<sup>th</sup> July, 2022 at Ramaiah Medical College.



Ramaiah Doctors were invited to conduct a Simulation workshop as part of the Tamilnadu State ISA conference on 15<sup>th</sup> July, at Madurai. Dr. Geetha C R, Dr. Tejesh, Dr. Prathima, Dept. of Anaesthesiology took part in the workshop.



## 34<sup>th</sup> Annual National Conference of the Indian Foot and Ankle Society

The 34<sup>th</sup> Annual National Conference of the Indian Foot and Ankle Society – IFASCON 22 was held from the 25<sup>th</sup> to 27<sup>th</sup> August 2022 at Goa. Dr. Ajoy, Department of Orthopaedics and post graduate students, participated in the conference. The students presented 5 posters and 3 free papers, which were well received. The Ram Janam Sulakshana Pandey Gold Medal for the best paper was won by Dr. Ronak Kotian and Dr. Aanchal Bhatia. There were 52 papers from across India competing for the same. Dr. Ajoy, in addition to contributing to the current conference as a session moderator, speaker, and panellist has been appointed to lead next year's 35<sup>th</sup> IFASCON at Nagpur as the Scientific Committee Chairman. The progress made in this niche specialty of Orthopaedics at the national level by our institution is indeed commendable.



Dept. of Anatomy and Neurosurgery, Ramaiah Medical College organized National Level CME on Neuroanatomy on "Neurosurgeon's Eye - An Integrated Approach", on 16<sup>th</sup> July, 2022 at Ramaiah Medical College. Dr. Shailaja Shetty, Prof. & Head Dept. of Anatomy, Dr. Shabari Girishan, Associate. Prof. Dept. of Neuro Surgery, Dr. Parichay Perikal, Asst. Prof. Dept. of Neurosurgery, and others were present at the event.



Inauguration of XVII Interdisciplinary Community Orientation Programme of Ramaiah Medical, Physiotherapy, Pharmacy and Nursing Colleges on 18<sup>th</sup> - 28<sup>th</sup> July, 2022 at Ramaiah Medical College. Dr. Shalini C Nooyi, Vice Principal, Ramaiah Medical College, Dr. Hemanth, Registrar, Dr. Lalitha, Head of Community Medicine, Prof. Sonali Jadav, Principal RINER and others were present.



# CREATING YO



**S**ince 1993 Faculty of Hotel Management and Catering Technology under Ramaiah University of Applied Sciences (RUAS) has churned young chefs to satisfy the palates of the global population. Its food culture is redefined here to make it a new culture of satisfaction.

This Institute holds a reputation for excellence and has been ranked amongst the top 5 hospitality management institutions in India. Hotel Management and Catering Technology truly focus on serving others.

The goal is to discover, conserve, and share information skills in order to offer future hospitality industry influencers. They are trained with advanced level skills, knowledge, practical training, and interpersonal abilities necessary to flourish in today's lively global business environment. Here students are exposed to hands-on practices to enhance the efficiency of classroom learning which reflects real-life experience.

The advanced infrastructure and facilities include fully functional kitchens, restaurants, guest rooms, and front desk spaces for the development of operational skills. The above amenities are complemented by a library with an extensive collection of resources, digital language labs, computer labs with property management system software, classrooms with audio-visual aids, and more.

Faculty of Hospitality Management & Catering Technology provides four areas of study: Food and Beverage Production, Food and Beverage Service, Front Office, and Housekeeping.

Dept. of Food and Beverage Production, educates the students on menu planning, food styling, and innovative presentation techniques from the very beginning. These budding chefs are exposed to different cuisines and culinary traditions across the world.

"We have successfully achieved in training theory and practical classes to meet the requirements of the hospitality management industry today. We basically have 4 divisions, of course, Food & Beverage Production, Food & Beverage Service, Front Office and Housekeeping. Professors give one-to-one attention to the students to achieve their goals. Right from the start we 100% placements. Students get full-fledged field exposure in our institute." - Prof. Abby Mathew, Dean.



# UNG CHEFS



Dept. of Food and Beverage Service, aim to disseminate information and experience in the logistics of effectively organizing, procuring, and carrying out events including fine dining, banquets, corporate events, etc.

Dept. of Front Office and Housekeeping, In order to adhere to local environmental standards, the department teaches the students about the most recent developments in sustainable housekeeping.

Last but not the least, the Dept. of Management Studies- Hospitality, gives satisfactory personality development programs, which integrate Culinary and hospitality, give the students the necessary soft skills, critical thinking, and problem-solving abilities to help them become "Well Rounded Hospitality Professionals."

Students are intensively trained for recruitment interviews. Over the years, the placement cell has had success in consistently obtaining 100% placement.

For campus recruitment, more than 50 companies, including hotels, independent cafes, facility management firms, airlines, shops, banks, and multinational corporations, come to the institution. Today many alumni hold key positions in the hospitality industry worldwide.

Companies like Taj, Radisson, Colive, Lemon Tree, Vira International UK, Hyatt, ITC Hotels, Hunger Box, and Cure. fit, The Oberoi, Shangri La, and many more companies actively come for recruitment.

Faculty of Hospitality Management & Catering Technology will boost dedicated teaching staff with strong academic ethics and years of industry and teaching experience. Their student-centered approach and passion for teaching have resulted in students excelling academically and professionally. The industry has recognized the outstanding quality of education given by this institution, and their input has allowed us to be listed among the country's top institutions.



"Hotel management is a very challenging job for the students also. It is a very skill-oriented profession. We always give the students hands-on skills to keep them in power in the industry. The infrastructure in Ramaiah is well

designed for the students to get the real work experience".

- Shridhar, Asst. Prof.



"Becoming a chef was my childhood dream. I used to love baking cakes, and that's when I realized baking was my passion. I want to have a bakery of my own. Ramaiah University is training me the

best for it, and I am sure I will achieve my goal one day." - Trupti, IV Year Student.

## Our Doctors at Dhaka, Bangladesh

Doctors of Ramaiah Memorial Hospital conducted a Medical Camp at Central Police Hospital, Bangladesh, at Dhaka and Rangapur on 23<sup>rd</sup> - 26<sup>th</sup> July, 2022. Dr. Prasad Mylarappa, Prof. Dept. of Urology, Dr. Mahindra J V, Prof. Neurology, Dr. Rakshith Srinivasa, Assoc. Prof. Dept. of Neurosurgery and international marketing team, Mr. Manish and Mr. Surender were present.



Department of Biochemistry organized 29<sup>th</sup> Annual Conference on Association of Medical Biochemists of India from 18<sup>th</sup> to 20<sup>th</sup> July, 2022 at Department of Biochemistry, Ramaiah Medical College.



Workshop on Molecular Diagnostics on Karyotyping and FISH by Cytogenetic and FISH division, with the 'Association of Medical Biochemists of India' was held on 19<sup>th</sup> July, 2022 at Ramaiah Medical

College. Dr. Vijaya Mysorekar, Pathologist, Dr. Medha Y Rao, Principal and Dean, Dr. Shalini S Nooyi, Vice Principal, Ramaiah Medical College, Dr. Prathab, Registrar (Academics), Dr. Hemanth, Registrar (Administration), and others were present.

Ramaiah University of Applied Sciences (RUAS) organized a Guest Lecture on 21<sup>st</sup> July, 2022 at Ramaiah Medical College, by Dr. Venkat Venkatakrishnan Director, Research Discovery Partners Institute, moderated by Dr. Prabhakar



Bellur, Prof, Department of Microbiology and Immunology-Associate Dean, College of Medicine, The University Illinois, Chicago. M R Sreenivasa Murthy, Chief Executive, Gokula Education Foundation (Medical) and Dr. Medha Y Rao, Principal and Dean and others were present.

Dr. Palini received "Young Scientist Award - Runner up" by Betadine at ABSICON 2022 National Conference at Hyderabad.



## Workshop on Community Empowerment



Ramaiah International Center for Public Health Innovations (RICPHI) in association with the Department of Health and Family Welfare, Govt. of Karnataka organized a workshop on 'Community Empowerment and Health Systems Strengthening for the Health Workforce of Tiptur district'. ASHA workers, MOs, CHOs, and other health staff from all PHCs of Tiptur along with representatives from the Departments of Women and Child development and Primary and Secondary Education were present at the event.

B C Nagesh, Minister of School Education and Literacy & Sakala, Govt. of Karnataka, Dr. M R Jayaram, Chairman, Gokula Education Foundation, Dr. Bellur S Prabhakar Prof. University of Illinois Chicago and others graced the occasion.

Dr. Medha Y Rao, Principal and Dean, Dr. Shalini C Nooyi, Vice Principal, Dr. Aruna Ramesh, Professor and HOD, Dept. of Emergency Medicine, Dr. Ramachandra Kamath, Deputy Hospital Administrator, RMCH, Dr. K.C. Gurudev, President, Ramaiah Memorial Hospital and Dr. Nayanjeet Chaudhury, Director, RICPHI, were present at the occasion.

Coinciding with World Organ Donation Day a young patient donated his skin, liver, heart, and cornea. The team was led by Dr. Govardhan, Dr. Tejesh and Dr. Prapti from anaesthesia, Dr. Govardhan and Dr. Tejesh from CTVs, and Gastro Surgeons from NH.



The Dept. of Gastroenterology organized screening and vaccination camp on the occasion of "World Hepatitis Day" on 28<sup>th</sup> June, 2022.



**Ramaiah Hospitals Celebrated Ganesh Festival on 31<sup>st</sup> August, 2022.**

School of Social Sciences of Ramaiah University of Applied Sciences organised a Lecture on "The Ideas and World Orders of India: From Indus Valley to Multiplex World" by Prof Amitav Acharya, UNESCO Chair in Transitional Challenges and Governance and Distinguished Professor, School of International Service, American University of Washington on 4<sup>th</sup> August, 2022 at Ramaiah Medical College.





Gokula Education Foundation (Medical) celebrated Independence Day on 15<sup>th</sup> August 2022 at Ramaiah Medical College. Dr. Shalini C Nooyi, Principal & Dean, Ramaiah Medical College, Dr. K C Gurudev, President of Ramaiah Memorial Hospital, Dr. Venkatesh Murthy, Registrar were present during the celebrations.

Students of Ramaiah University of Applied Sciences (RUAS) performed flash mobs, sing songs and campaigned on "Har Ghar Tiranga" as part of celebrating Azadi Ka Amrit Mahotsav on 11<sup>th</sup> August, 2022.



Department of Emergency Medicine organized 'American Heart Association - Basic Life Support (BLS)' Course for Health Care Providers for Interns on 25<sup>th</sup> August, at Medical Education Unit Skills Lab, Ramaiah Medical College.



Presentation by Ghent University Students was on 25<sup>th</sup> August, 2022 at Ramaiah Medical College



Department of Dermatology organized a PG Alumni CME on 28<sup>th</sup> August, 2022 at Ramaiah Medical College. Dr. A G Prathab Registrar, (Academics) RMC, Dr. K C Gurudev, President, Ramaiah Memorial Hospital, Dr. T K Sumathy Prof. & Head, Dept. of Dermatology and others were present.



Orientation Programme was organised by People Business to faculty on 12<sup>th</sup> August, 2022 at Ramaiah Medical College.



Dr. Mounika 3<sup>rd</sup> year Respiratory medicine resident conducted CME on Recent updates in TB elimination program organized by Karnataka Health Promotion Trust at Narayana Super speciality Hospital on 26th July, 2022.



School of Social Sciences conducted the Orientation programme for the students of Batch 2022 - 2023 on 25<sup>th</sup> August, 2022 Ramaiah Medical College.



BSOG PG conducted CME on 13<sup>th</sup>-17<sup>th</sup> July, 2022. Dr.Nandini and Dr. Manjula were faculty for PPH drill.



Girls Volleyball team from Ramaiah Medical College won the RGUHS Bangalore Zone Inter Collegiate Volleyball Championship at Dayananda Sagar College of Dental Sciences on 23<sup>rd</sup> - 24<sup>th</sup> August, 2022.



Susha Mary Roy, Dept. of OBG Nursing and Vanitha.N, Dept. of Child Health Nursing Faculties of Ramaiah Institute of Nursing Education & Research had received Scholarship from Duke Corporations, North Carolina, and United States for certification Course in Nurse Leadership program.



## What goes on in my mind in a dissection Class?

**W**hen you think of First Year MBBS, one of the first things to cross our minds is the scary dissection classes. A source of the nervousness, and excitement to most young fresher's, it feels as though the start of dissection classes is what truly signifies the beginning of life as a medical student.

Anyone who has studied anatomy will tell you that, while textbooks, atlases, digital learning, and experienced teachers can achieve a lot, nothing can substitute the practical experiential learning that takes place when you put the skin to a scalpel. In this context, access to cadavers greatly enhances one's learning experience and is a privilege to have.

My first time in the dissection hall was the Cadaveric Oath Ceremony. There was a solemn atmosphere in the room as a few candles were lit, and each of us lined up and took an oath to honour the sacrifice made by the body donor and respect the cadaver as we would a living person. During classes, we often have to remove large parts of the body and examine and learn about them, often disfiguring the body in the process. It's a balancing act- to simultaneously see the cadaver as a teacher and also as a tool for learning. However, in every dissection class, I have felt the weight of the oath we have taken and we go about our learning with gratitude towards all of the body donors.

For me, it is intriguing to understand the body donation programme At Ramaiah. I have learned that we have a voluntary body donation program running since 1998, which has over 3000 pledges.

People who enrol in the programme receive free annual general health check-ups and other basic medical investigations. The donated bodies also add to the vast brain bank and skin and blood vessel bank, which aids in research work done in the college.

The cadavers are not only used just in the dissection hall. Workshops and research work at the Ramaiah's Advanced Learning Centre depend on the use of cadavers. When we last visited the Advanced Learning Centre, we saw some surgeons practicing knee replacement surgery. The preservation techniques used at the lab prevent the flesh from becoming as tough as that of the cadavers we use for dissection. This means that these bodies mimic living bodies in texture and more accurately simulate a real surgery.

As I make my way through the first year of MBBS, I constantly sense the impact that the body donation program has had on my education. Dissection classes revolutionise the way I approach my theory classes and the understanding I have of what is taught to me in class. I feel indebted to anyone who volunteers to give up their body in order to further medical research and education.



Shivani Gowda  
First Year MBBS

Dr. Nivedita and Dr. Hemanth, Dept. of Vascular Surgery PG students, won the 3<sup>rd</sup> prize in the annual MID Term Vascular Surgery Conference on 7<sup>th</sup> to 9<sup>th</sup> July, 2022 at Goa.

Radiology PG students, Dr. Kirthi Gupta won the 1<sup>st</sup> Prize and Dr. Lohith won the 2<sup>nd</sup> prize in Sono Summit-All India Ultrasound conference, at Indore on 8<sup>th</sup>- 10<sup>th</sup> of July, 2022



Dr. Fathima Shabnum final year Pathology PG student, secured 3<sup>rd</sup> prize in paper presentation on G I Pathology and Hematopathology in national conference at BMCRI.



A team of 16 students from Ramaiah Institute of Nursing Education & Research Centre participated in the Regional Football Tournament organized by Rajarajeswari College of Nursing on the occasion of World Health Day. Shibin Abdulla from 2<sup>nd</sup> year B.Sc(N) won the "Man of the match" trophy in the tournament



The RGUHS Bangalore Zone Badminton competition was held at Krishnadevaraya College of Dental Sciences in Bangalore. The Ramaiah Medical College Men's team won the championship and the Women's team won the second place.



Paediatrics Department PG Students Dr. Suvetha and Dr. Subodh secured 1<sup>st</sup> prize in Intercollege IAP quiz on the occasion of Breastfeeding held at Rangadore Hospital.



Medical Student Pranav Arun attended the Medical Sciences Summer School Programme on Global Health in Groningen, The Netherlands, on 3<sup>rd</sup> - 10<sup>th</sup> July, 2022. The course provided a global perspective on topics like Mental Health, Reproductive Health, and Sociocultural influences on Healthcare.



## ಕ್ಷಯರೋಗ ಮತ್ತು ಚಿಕಿತ್ಸೆ

**ಹ** ಕ್ಷಯರೋಗ ಮನುಷ್ಯರಿಗೆ ಮತ್ತು ಹಲವು ಪ್ರಾಣಿಗಳಿಗೆ ಬರುವ ಒಂದು ರೋಗ, ಈ ರೋಗವು “ಮೈಕೊ ಬ್ಯಾಕ್ಟೀರಿಯಂ ಟ್ಯೂಬರ್ಕ್ಯುಲೋಸಿಸ್” ಎಂಬ ಬ್ಯಾಕ್ಟೀರಿಯಾದಿಂದ ಬರುತ್ತದೆ. ಯಾವುದೇ ವಯಸ್ಸಿನ ಬೇದವಿಲ್ಲದೇ ಎಲ್ಲ ವಯಸ್ಸಿನ ಮತ್ತು ಎಲ್ಲ ಅಂಗದವರಲ್ಲೂ ಕಾಣಿಸಿಕೊಳ್ಳುತ್ತದೆ. ಅದರಲ್ಲೂ ವಯಸ್ಕರಲ್ಲಿ ಈ ರೋಗ ಹೆಚ್ಚಾಗಿ ಕಂಡುಬರುತ್ತದೆ. ಮತ್ತು ಈ ರೋಗಕ್ಕೆ ಸಲಿಯಾದ ಸಮಯದಲ್ಲಿ ಸೂಕ್ತ ಚಿಕಿತ್ಸೆ ನೀಡುವುದರಿಂದ ಸಂಪೂರ್ಣವಾಗಿ ಗುಣಪಡಿಸಬಹುದು. ಈ ರೋಗದಿಂದ ಪ್ರತಿವರ್ಷ ಸುಮಾರು 26 ಲಕ್ಷ ಜನರು ಸಾವನ್ನು ಅಪ್ಪುತ್ತಿದ್ದಾರೆ. ಗುಣಪಡಿಸಬಹುದಾದ ಖಾಯಿಲೆ ಆದರೂ ಸಹ ನಿರ್ಲಕ್ಷಿಸುವುದರಿಂದ ನಮ್ಮ ಪ್ರಾಣಕ್ಕೆ ಕುತ್ತ ತರಬಹುದು, ಹಾಗಾಗಿ ಕ್ಷಯರೋಗದ ಯಾವುದೇ ಗುಣ ಲಕ್ಷಣಗಳು ಕಂಡುಬಂದರೆ ಕೂಡಲೇ ತಜ್ಞ ವೈದ್ಯರನ್ನು ಭೇಟಿ ಮಾಡಿ ಸಲಿಯಾದ ಚಿಕಿತ್ಸೆ ಪಡೆಯಬೇಕು.

ಗಾಳಿ ವ್ಯವಸ್ಥೆ ಇಲ್ಲದ ಜಾಗದಲ್ಲಿ ವಾಸಿಸುವವರಲ್ಲಿ ಈ ರೋಗವು ಒಬ್ಬರಿಂದ ಮತ್ತೊಬ್ಬರಿಗೆ ಹರಡುವ ಸಾಧ್ಯತೆ ಹೆಚ್ಚಿರುತ್ತದೆ. ಆದ್ದರಿಂದ ಇಂತಹ ಜಾಗದಲ್ಲಿ ವಾಸಿಸುತ್ತಿರುವವರು ಕ್ಷಯ ರೋಗ ಲಕ್ಷಣಗಳಿಂದ ಬಳಲುತ್ತಿರುವವರಿಂದ ಅಂತರ ಕಾಯ್ದುಕೊಳ್ಳುವುದು ಅಥವಾ ಮುಂಜಾಗ್ರತೆವಹಿಸುವುದು ಅತ್ಯವಶ್ಯಕವಾಗಿದೆ.

### ಕ್ಷಯರೋಗದ ಲಕ್ಷಣಗಳು:

- ಎರಡು ವಾರಗಳ ಕಾಲಕ್ಕಿಂತ ಹೆಚ್ಚು ಕೆಮ್ಮು ಇರುವುದು
- ಕೆಲವೊಮ್ಮೆ ಕೆಮ್ಮಿದಾಗ ಕಫದಲ್ಲಿ ರಕ್ತ ಬರುವುದು.
- ಆಗಾಗ ಜ್ವರ ಬರುವುದು ಮತ್ತು ರಾತ್ರಿವೇಳೆ ಜ್ವರ ಹೆಚ್ಚಾಗುವುದು.



ಸತತವಾಗಿ ತೂಕದಲ್ಲಿ ಇಳಿಕೆ,  
ಎದೆನೋವು, ಉಸಿರಾಟದಲ್ಲಿ ಸಮಸ್ಯೆ,  
ರಾತ್ರಿಯಲ್ಲಿ ಬೆವರುವುದು

### ಕ್ಷಯರೋಗದ ಪತ್ತೆ ಮತ್ತು ಚಿಕಿತ್ಸೆ:

ಸರಳವಾದ ಕಫ ಪರೀಕ್ಷೆ, ಎಕ್ಸ್ ರೇ, ರಕ್ತ ಪರೀಕ್ಷೆಯಿಂದ ಈ ರೋಗವನ್ನು ಸುಲಭವಾಗಿ ಕಂಡುಹಿಡಿಯಬಹುದು ಮತ್ತು ಸರಳವಾದ ಚಿಕಿತ್ಸೆಯ ಮುಖಾಂತರ ಕನಿಷ್ಠ 6 ತಿಂಗಳುಗಳ ಕಾಲ ತಜ್ಞ ವೈದ್ಯರು ನೀಡುವ ಔಷಧಿಯನ್ನು ಸೇವಿಸುವುದರಿಂದ ರೋಗದಿಂದ ಗುಣಮುಖರಾಗಬಹುದು. ಕೆಲವರಿಗೆ 2 ವರ್ಷಗಳ ಕಾಲ ಚಿಕಿತ್ಸೆಯ ಅವಶ್ಯಕತೆ ಇರುತ್ತದೆ.

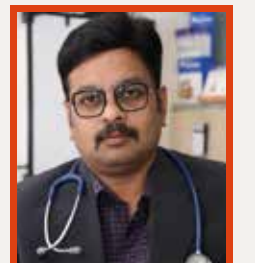
ಕ್ಷಯರೋಗವು ಸಾಮಾನ್ಯವಾಗಿ 15 ರಿಂದ 45 ವಯಸ್ಸಿನವರಲ್ಲಿ ಕಂಡುಬರುತ್ತದೆ. ಈಗಾಗಲೇ ಹೇಳಿರುವಂತೆ “ಮೈಕೊ ಬ್ಯಾಕ್ಟೀರಿಯಂ ಟ್ಯೂಬರ್ಕ್ಯುಲೋಸಿಸ್” ಎಂಬ ಬ್ಯಾಕ್ಟೀರಿಯಾದಿಂದ ಈ ಖಾಯಿಲೆ ಉಂಟಾಗುತ್ತದೆ. ಅಪೌಷ್ಟಿಕತೆಯಿಂದ ಬಳಲುತ್ತಿರುವವರಿಗೆ, ಹೆಚ್ಚಿನವಿ ಸೋಂಕಿತರಿಗೆ, ಮಧುಮೇಹ, ಮೂತ್ರಪಿಂಡ, ಹೃದಯರೋಗ ಮತ್ತು ಕ್ಯಾನ್ಸರ್ ಸಮಸ್ಯೆಯಿಂದ ಬಳಲುತ್ತಿರುವವರಿಗೆ ಈ ರೋಗ ತಗಲುವ ಸಾಧ್ಯತೆ ಇರುತ್ತದೆ.

ಕ್ಷಯರೋಗದಿಂದ ಬಳಲುತ್ತಿರುವ ವ್ಯಕ್ತಿಯು ಕೆಮ್ಮಿದಾಗ, ಸೀನಿದಾಗ ಅಥವಾ ಉಗುಳಿದಾಗ ಕ್ಷಯರೋಗಾಣುಗಳು ಒಬ್ಬರಿಂದ ಮತ್ತೊಬ್ಬರಿಗೆ ಹರಡುತ್ತದೆ. ಹಾಗಾಗಿ ಜನನಿಬಿಡ ಅಥವಾ ಇಕ್ಕಟ್ಟು ಪ್ರದೇಶಗಳಲ್ಲಿ, ಕೊಳಚೆಗೇರಿಗಳಲ್ಲಿ, ಸಲಿಯಾಗಿ

ಒಮ್ಮೆ ಔಷಧಿಯನ್ನು ಪ್ರಾರಂಭಿಸಿದ ನಂತರ ಮಧ್ಯದಲ್ಲಿ ನಿಲ್ಲಿಸಿದರೆ, ಪುನಃ ಸೇವಿಸಬೇಕಾಗುತ್ತದೆ ಮತ್ತು ಸಲಿಯಾದ ಸಮಯದಲ್ಲಿ ಸೂಕ್ತ ಚಿಕಿತ್ಸೆಯನ್ನು ಪಡೆಯದಿದ್ದರೆ ಶ್ವಾಸಕೋಶ, ಮಿದುಳು ಮತ್ತು ಬೆನ್ನುಮೂಳೆಗಳಿಗೆ ಹಾನಿಯಾಗುವ ಸಂಭವವಿರುತ್ತದೆ ಹಾಗೂ ಕೆಲವೊಮ್ಮೆ ಜೀವಕ್ಕೆ ಹಾನಿಕಾರಕವಾಗುವ ಸಂಭವವಿರುತ್ತದೆ. ಹಾಗಾಗಿ ನಿರ್ಲಕ್ಷ್ಯ ಮಾಡದೇ ಸೂಕ್ತ ಚಿಕಿತ್ಸೆ ಪಡೆಯಬೇಕು.

### ಡಾ. ಪ್ರಸನ್ನ ಕುಮಾರ್ ಟಿ.

ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು  
ಶ್ವಾಸಕೋಶ ಮತ್ತು ಉಸಿರಾಟ ಚಿಕಿತ್ಸಾ ವಿಭಾಗ  
ರಾಮಯ್ಯ ವೈದ್ಯಕೀಯ ಕಾಲೇಜು ಮತ್ತು ಆಸ್ಪತ್ರೆ





## ABC at Tiptur

Dept. of Emergency Medicine, Ramaiah Medical College in partnership with University of Pennsylvania Institute for the Advanced Study of India ("UPIASI"), Penn Global, Emergency Medicine Department, Paediatric Simulation Training and Research Society (PediSTARS) India, GVK Emergency Management and Research Institute, in collaboration with Dr. Vinay Nadkarni, Medical Director of the Center for Simulation, Advanced Education and Innovation at Children's Hospital of Philadelphia (CHOP), conducted the "Active Bleeding Control Programme" at "Tiptur" General Hospital. Dr. Aruna Ramesh, Prof. and Head of Emergency Medicine was the lead in this programme.

Endocrinology DM residents Dr. Himamshu, Dr. Nikitha and Dr Sagar won 2<sup>nd</sup> prize (1<sup>st</sup> runner up) in Thyrocon 2022 at Bengaluru

The Division of Research and Patents conducted a training program on 3<sup>rd</sup> August, 2022 on Manuscript writing and plagiarism. The event had a speech by Dr. Nanda Kumar, Head of Research and IPR.

Department of Emergency Medicine, Ramaiah Medical College, organized the Inaugural ceremony of 'Ramaiah 10<sup>th</sup> American College of Surgeons Advanced Trauma Life Support Course' on 21<sup>st</sup> July, 2022 at Ramaiah Medical College.

Dr. Jyothi GS Prof. Dept. of OBG was a member of SDDP Committee for the annual BSOG PG CME on July, 2022 in Bengaluru. Moderated a case discussion on 'Fibroid Uterus' and also was a faculty for the shoulder dystocia drill.



Dr. Shamini Mohan, Final year Postgraduate student, Dept. of Pharmacology won 1<sup>st</sup> Prize in Poster Competition in Pharmaquest - 2022 conference organised by Vydehi Institute of Medical Sciences and research Centre, Bengaluru from 2<sup>nd</sup> to 5<sup>th</sup> August 2022.

Departments of Endocrinology, Nutrition and Physiotherapy celebrated World Prediabetes Day on 14<sup>th</sup> August, 2022. Dr. K C Gurudev, President, Ramaiah Memorial Hospital, Dr. Pramila Kalra, Prof. & HOD, Endocrinology, Dr. Veena, Dept. Physiotherapy, Mrs. Hema Arvind, Chief Clinician and Dietetics and others were present.



**WELCOME**



**Dr. Jahnavi G**  
Senior Resident  
Radio Diagnosis



**Dr. Ranjith Viswanath**  
Senior Resident  
Community Medicine



**Dr. Divya Ganesh**  
Senior Resident  
OBG



**Dr. Abhigna J.M**  
Senior Resident  
Endocrinology



**Dr. Apoorva Janardhan**  
Senior Resident  
General Medicine



**Dr. Roger Shannon  
D'souza**  
Senior Resident  
Emergency Medicine



**Dr. Vishakha**  
Senior Resident  
Pharmacology



**Dr. Dhanya S**  
Senior Resident  
Community Medicine



**P. Tanvi Vinod**  
Tutor, Anatomy



**Dr. Sanketh B Bidargod**  
Senior Resident  
Orthopaedics



**Dr. Abhilasha Dalal**  
Senior Resident  
Microbiology



**Dr. Divya Bharathi G**  
Senior Resident  
Community Medicine



**Dr. Pavithra M. S**  
Senior Resident  
Pharmacology



**Dr. Sandeep Sreerama Reddy**  
Assistant Professor  
General Medicine

**SEPARATED**



**Dr. Maria Jessie Jose**  
Senior Resident  
Community Medicine



**Dr. Sujatha K J**  
Assistant Professor  
General Medicine



**Dr. Arjun S.Kalasapur**  
Senior Resident  
Pharmacology



**Dr. Swathi Hegde**  
Assistant Professor  
General Medicine



**Dr. Neethu Sivadasan**  
Senior Resident  
Anatomy



**Srinivasa R**  
Attender, Library &  
Information Centre



**Hemalatha L**  
Pre- Primary School Teacher  
Nanda Gokula



**Nayayana Swamy**  
Attender  
Administration



**Dr. Nadakishore Alva N**  
Professor  
Pathology

**SAD DEMISE**



**Mr. Domic Mani**  
Attender, Anatomy



## ASIAN SOCIETY FOR INNOVATION AND POLICY (ASIP)

12<sup>th</sup> ASIP Conference - 2022

Conference Theme : **Start-ups, Entrepreneurship & Regional Innovation in the POST COVID-19 Era**

Host : IISc , MSRUAS, ASIP, DISTEP, KISTI

### About the Conference :

In the recent decades, start-ups have been emerging rapidly by contributing significantly to innovations, employment generation, and national income in leading developed as well as emerging economies. Many of these start-ups grows in an accelerated manner to achieve the status of unicorns and make a high impact on their economies. Such start-ups are driven by technology/knowledge driven innovations and entrepreneurship. Particularly, these start-ups have played a unique role in sustaining the life of the "common man" in the Covid-19 era and beyond. Every start-up in different ecosystems across the world appears to have adopted unique approaches to overcome a variety of supply-chain challenges to meet their customer needs.

It is to address the above issues that ASIP has decided to convene its 12th Annual ASIP Conference in Bangalore, the start-up capital of India, along with the Department of Management Studies, Indian Institute of Science, and M S Ramaiah University of Applied Sciences, Bangalore during 24-26 November 2022.

### Regular Tracks

- » Technology/ System Innovation
- » Management of Technology
- » Environments/Health innovation
- » Economics of Technology
- » Science and Technology Policy
- » Other STI Studies

### Special Tracks

- » Start-ups
- » Ecosystem
- » Climate Change
- » Entrepreneurship
- » Regional Innovation
- » Digital Transformation
- » Inequality
- » Education

### Important Dates

Date	Events	Venue
24 Nov, 2022	Registrations and Banquet Dinner	Seminar Hall Department of Management Studies Indian Institute of Science (IISc)
25 Nov, 2022	Inauguration and Parallel Sessions	J N Tata Auditorium Indian Institute of Science (IISc)
26 Nov, 2022	Parallel Sessions and Valedictory	Faculty of Management and Commerce M. S. Ramaiah University of Applied Sciences (MSRUAS)

### Awards

Best Paper Award	Industry / Faculty / Delegates	I Prize - ₹ 30,000 II Prize - ₹ 20,000 III Prize - ₹ 10,000
	Research Scholars	I Prize - ₹ 15,000 II Prize - ₹ 10,000 III Prize - ₹ 5,000
Best Presenter	One Paper per Track - ₹ 10,000 Prize	

### Who can Attend ?

- » Faculty members
- » Financial Institutions
- » Research Scholars
- » Angel Investors
- » Students - Industry Executives
- » TBI , Accelerators
- » Startups Funding
- » Venture Capitalists
- » Incubatee

### Registration Fees

Group	Regular		(Before Sept.24, 2022)		(Before Oct.24, 2022)	
			Early Bird 1 (20%)		Early Bird 2 (10%)	
	IND(₹)	USD(\$)	IND(₹)	USD(\$)	IND(₹)	USD(\$)
Indian (Faculty Members)	3,000	40	2,400	32	2,700	36
Indian (Industry Delegates)	5,000	65	4,000	52	4,500	59
Group 1 (Jap, Kor, Twn, Sing)		200		160		180
Group 2 (China, Thal, etc)		150		120		135
Group 3 (Bangladesh, Cambodia, Vietnam, etc.)		100		80		90
Student	50% of Each Group					
*Banquet Dinner Only (Friend, Family, etc.)	₹ 1,000 per person			US \$ 50 per person		

### Conference Chairmen

**Prof. M. H. Bala Subrahmanya**  
Professor, Department of Management Studies  
IISc, India

**Prof. Jeonghwan Jeon**  
Professor and Dean of University  
GNU, Korea

### Main Dates :

- » Jun 15 : Submission Open
- » Sep 15 : Last date for Submission
- » Oct 30 : Camera Ready Paper
- » Nov 13 : Deadline for Registrations
- » Aug 15 : Registration Open
- » Oct 30 : Final Revised Paper
- » Nov 15 : Presentations

Sponsorships are also invited. Startup kiosks are welcome.

### Organising Committee :

- Prof. M H Bala Subrahmanya
- Dr. Ganesaraman K
- Dr. K M Sharath Kumtar
- Ms. Jagriti Bhattacharya
- Ms. Anusha Sabhahit
- Mr. Muthukumaraswamy DP
- Mr. Ramakrishnan
- Ms. Nisha Francis
- Ms. Savitha Kulkarni
- Ms. Sudharani R

### Bank Account Details :

#### Indians

Account Name: ASIP CONFERENCE 2022  
Account No : 110058653794  
Bank : Canara Bank, IFSC: CNRB000683  
Account Branch : 683-BANGALORE  
INDIAN INSTITUTE OF SCIENCE 560012

#### Foreigners (non-Indians)

Account Name: Asian Society of Innovation and Policy (아시아기술평신학회)  
Account No: 301-0125-3578-41  
Bank: Nonghyup Bank (농협)  
SWIFT CODE: NACFKRSEXXX  
Bank Address: 75, I-Ga, Chungjeong-Ro, Jung-Gu 100 707 Seoul

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## Launch of Active Bleeding Control Programme



In a major health care initiative for the public, the Department of Emergency Medicine, Ramaiah Medical College launched a unique programme called “Active Bleeding Control” (ABC) on Tuesday, August 30, 2022.



To train volunteers or anyone to aid accident victims to stop bleeding in the golden hour is the importance of ABC. This is first-ever initiative in IT city Bengaluru, under the leadership of Dr Aruna C Ramesh, Professor and Head of the Department of Emergency Medicine would help hundreds of road accident victims in the ever and fast-growing city of Bengaluru. This initiative jointly with the University of Pennsylvania Institute for Advanced Study of India (UPIASI), Emergency

Department Ramaiah Medical College, Paediatric Simulation Training and Research Society, India, GVK Emergency Management and Research Institute in collaboration with Dr Vinay Nadkarni, Medical Director of the Centre for Simulation, Advanced Education and Innovation at Children's Hospital of Philadelphia will help road accident victims in Bengaluru.

They have also developed a kit to help the trainer immediately on the spot to control the bleeding of the accident victims which helps save the lives of accident victims. The ABC programme is designed to encourage bystanders to become trained, equipped and empowered to help a victim with a bleeding wound before professional help arrives. In this hands-on interactive skills training, one can identify life-threatening bleeding, learn to apply compression dressing for uncontrolled bleeding, wound packing for continued bleeding and tourniquet application to stop

bleeding.

This entire programme is aimed at training bystanders, students, youth, drivers and other people who are on the spot.

Dr. Vinay M Nadkarni, Dr. M R Jayaram, Chairman, Gokula Education Foundation and Chancellor Ramaiah University of Applied Sciences, Dr. Krishna Reddy, Secretary to Government of Karnataka, PWD, Dr. BR Ravikanthe Gowda, Joint Commissioner of Police, Traffic, MR Sreenivasa Murthy, Chief Executive, Gokula Education Foundation, DR. KK Raina, Vice Chancellor and host of dignitaries from different departments took part in this significant Public health initiative by Ramaiah Medical College and hospitals

