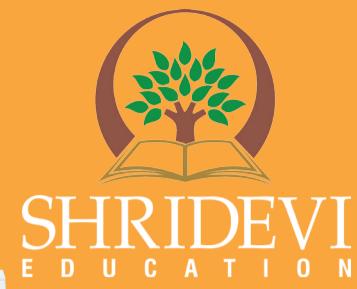




# SHRIDEVI ANTARANGA

Journey with Service, Education and Spirituality



Monthly Magazine

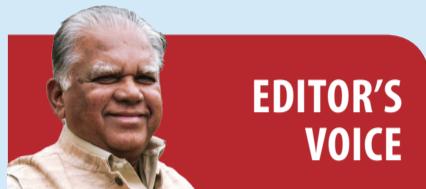
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## EDITOR'S VOICE

**Dr. M R Hulinaykar**  
Editor and Founding Chairman,  
SHRIDEVI Group of  
Educational Institutions

**Dr. Palanivelu says**  
*"Life smiles at you. It showers compassion on you. Repay this debt of those helped you by helping those who are in need".*

## Dr. Palanivelu, the Indomitable Achiever



Prof. C. Palanivelu is widely regarded as one of India's—and the world's—most influential pioneers in minimally invasive Laparoscopic and Robotic surgery. A career spanning over several decades, his achievements, in a nutshell, are as below:

- Has brought laparoscopic surgery (uses small incisions, a camera on a thin tube, and specialized instruments to operate inside the abdomen or pelvis, avoiding large cuts, and also in cases of other surgeries too) using developed techniques for complex cancers, to the poor patients.
- Proved that cases of complex cancer could be cured using laparoscopic and robotic surgical procedures.
- Participated in international laparoscopic workshops all over the world and brought laurels to the country.
- Has published more than 250 scientific papers.
- Has authorized a few reference books on laparoscopic surgery.
- Has got Fellowship of prestigious Royal College of England.
- Has trained thousands of surgeons through live surgery workshops and tele-teaching.
- Rewarded with National Dr. B.C. Roy Award by the Government of India two times for his achievements.

These are not abstract achievements. Each represents a concrete change in how patients are treated — shorter hospital stays, fewer complications, earlier return to work — which is especially consequential in societies where many patients are daily wage earners who cannot afford long convalescences.

He is recognised as a legendary figure in the field of surgery in India. He has penned his autobiography in English under the title 'GUTS'. This book is regarded as a genre of rare, but important, autobiography in every part of India.

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### STUDENTS OF SHRIDEVI MEDICAL COLLEGE, WHO GOT PG DEGREE



## Good Health care is the Backbone of the Nation

■ Report: K.S. Rajamannar

Dr. Basavanagowdappa, the Vice-Chancellor of J.S.S. Academy of Higher Education, opens that 'Good Healthcare service is the backbone of the nation. He delivered the key-note address on the occasion of third P.G. Students convocation, held on December 6, in the Shridevi Medical College. He further said that "It is time to think deeply about the new developments in the healthcare world, the human values our professional doctors and medical students have to follow in their future career, etc. For any country to achieve success in its all-round development, it should

have a good healthcare system and people should be provided quality healthcare service. Medical colleges and research centres have to shoulder the responsibilities. Effectiveness of medical service depends more on the professional skill, than on technology. Despite the new inventions and discoveries, human intellect plays a crucial role in providing good medical care. Artificial Intelligence, robotic technology can only support the human intellect, but can never replace it in diagnosing, treatment, etc. Doctors' role in providing good health is very vital. In this field, doctors have to keep learning new things every day.

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### Guts Enriched Kannada Literature:

This important treatise has been translated into Kannada by Dr. Durgadas Asranna, Dr. Eshwar Hosamani, Dr. Kasturi Donimatha and Dr. Veena S. Matha. The Kannada version which has 385 pages was published in 2024, V.C. Publications, Bhadravathi. The price of 'GUTS' is ₹ 250. This autobiography is very informative and a 'must read' for not only doctors, but for general readers too because it has many things that every one should know. The translators, named above, have done a wonderful service to Kannada literature, by translating it. Translation of books of this type and that too in such an elegant manner needs dedication. The translators deserve our hearty congratulations.

I have, in my autobiography 'Reminiscences and Reflections' ('Antarangada Avalokana' in Kannada) detailed a number of surgery cases. However, I was struggling to find Kannada equivalents for many English Terms. So I had to use English terms only for them in my autobiography. Even in case of medical instruments also I followed the same method. In 'GUTS' of Dr. Palanivelu, there are a lot of English terms while writing about surgeries. The translators have ably translated such terms in a very lucid Kannada Language.

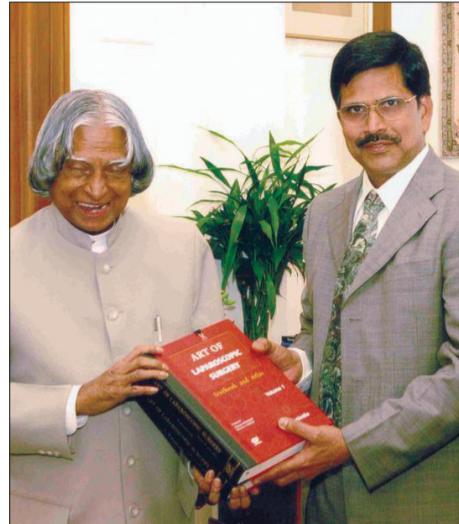
### 'GUTS', a Guiding Lamp:

It is desirable that Government of Karnataka should take appropriate steps to supply this autobiography to the medical institutions and also public libraries. This must be read not only by the surgeons, but by all those who are engaged in the healthcare too, because, it contains a wealth of information relating to the present-day surgical world. I am giving here a summary of this autobiography.

'GUTS' is presented in forty-nine chapters. Shri Siddharamaiah, Chief Minister of Karnataka has written a foreword for this. He, expressing his appreciation for this book, has expressed his wish that 'may the Dr. Palanivelu's skill and expertise in surgery and his social concern, become a guiding lamp for young doctors and surgeons of present-day.

Dr. Barry Salky, the Chief of New York Laparoscopic Surgery Department, Dr. Yuchi Nakagawa, Prof. in Tokyo Medical University, Prof. Vinayak Nagesh Shrikhande, Head of the Department of General Surgery, Bombay Hospital Institute of Medical Science, Mylswamy Annadurai, Scientist, ISRO Satellite Centre have, as the first readers, highlighted the speciality of the

# Dr. Palanivelu, the Indomitable Achiever



autobiography of Dr. Palanivelu.

Dr. A.P.J Abdul Kalam, former President of India and the architect of Missiles in India, said 'Your (Dr. Palanivelu's) life story is very attractive and interesting. Our young generation will get inspired by reading it'.

### A Poet within a Doctor

We can see that in his autobiography the heart of Dr. C. Palanivelu's poetic heart resonating compassionately. His personality is the confluence of the hearts of an expert surgeon and of a poet.

As we open the 'GUTS', we see a poem 'Nothingness'. This poem portrays the personality of Dr. Palanivelu. The last lines read:

*Nothing,  
There is nothing of mine,  
All that exists is nothing but  
A voice in the Infinite Vastness.*

### The Son of Rural India:

Palanivelu was born on February 4, 1950, as the second child of Chinnuswamy and Kaliyammal in a crude hut in Avarankattupudur of Namakkal taluk in Salem district of Tamil Nadu. Chinnuswamy was addicted to drinking and smoking. The total responsibility of maintaining the poor family was on the shoulders of Kaliyammal. Instead of picturizing the utter poverty he had to pass through in his early days, Dr. Palanivelu gives in his autobiography the picture of social situation prevailing in India in those days.

Chinnuswamy's family migrated to Penang in Malaya peninsula in search of a job. In those days many Tamil families used to go there to work in the rubber and Palm growing estates for the same purpose. Palanivelu was admitted to the primary school there. The Estate Manager used to insult Palanivelu day in and day out which the boy had to eschew patiently.

### Determination helped visualization:

Yes, the boy did not protest, but he did not forget it. He aspired for higher things. He desired to return to India and continue his education.

When he brought this to his father's attention, he was literally slapped by Chinnuswamy. But it could not nip the aspiration of the boy in the bud. To realise his aspiration, Palanivelu started working as an assistant to a toddy seller.

In 1967, he, with his mother and sister came back to his native village. Unfortunately, his sister Dhanalakshmi died of lobar pneumonia, which made an indelible effect on Palanivelu's young mind. He thought that she died because of blind belief which was ruling the minds of the people of rural India in those days.

### He Joins School:

Palanivelu got admission to a high school, thanks to Vayyapuri, the Headmaster, who, considering the interest Palanivelu had in education, permitted him, bending some of the eligibility criteria. It gave a most favourable turn to his life. On Sundays, Palanivelu used to go to Namakkal, which is a taluk Headquarters and sell vegetables on the road sides, to maintain his family. He was also helped by Marappan Gounder, a Gandhian in continuing his education further.

### Gratitude, a Special Trait:

One of the most appreciable traits of Dr. Palanivelu is being grateful to all those who helped him in various stages. He has instituted awards in educational institutions in the names of his teachers Vayyapuri, Sethuraman, Gandhian Marappan Gounder and Silamboli Chellappan. Apart from this, he is giving cash prizes and certificates to students who get distinction in their S.S.L.C. examination and has given donations also for felicitating teachers of the school where he studied.

### Furthering Studies:

Dr. Palanivelu got distinction in S.S.L.C. examination and with the help of his Head Master Sethuraman, he got entrance to St. Joseph College. He, at the age of 22, passed PU Course also scoring very good marks. Commenting on his own excellence in his academic career, he has said in his autobiography, 'The role of inspiration in one's success is 10 per cent only, while that of perspiration is 90 per cent'. This means we should believe more in human effort than waiting for inspiration to come from somewhere.

### On the Path of Accomplishment:

Dr. Palanivelu, with the help of Anbalagan, a statesman politician of Tamil Nadu, got a seat in the Government Stanley Medical College, Madras. He was happy that he could accomplish his cherished ambition of becoming a medical doctor. Besides

being a diligent student, he had philosophical bent of mind. Listen to his words what his experience was when he had to dissect the human body for the first time. He says: "I was thoroughly thrilled when I saw the internal structure of human body. It was an awe-inspiring experience, as if I am entering into a cave where a huge treasure was stored. I entered into a human body holding a surgical scalpel; I felt I was in a state of trance; I was going step by step carefully, observing and touching each and every part with my fingers; felt like my fingers are moving on the strings of a perfectly tuned violin".

Dr. Palanivelu besides being an excellent surgeon, is Karmayogi, a person who performs all his actions sincerely, without having desire for the results. But the excellence in his profession and fame he has got, have made him a humble person. He says 'that even within a vast field of surgery, we can only grasp a limited amount of skill, like how much water we can get from the ocean in our cupped hands'.

### A Man of Practical sense:

Dr. Palanivelu's autobiography is not a prosaic rendering of a life story. He has given a poetic touch to his prose. It makes the reader experience himself the experiences of Dr. Palanivelu. The traumatic experience of Dr. Palanivelu had at the time when his father was suffering from cancer lying on a hospital bed, is experienced by the readers themselves. Recounting the timely help he got from his friends Dr. Palanivelu says "Life smiles at you. It showers compassion on you. Repay this debt of those helped you by helping those who are in need". This is the philosophical view of Dr. Palanivelu towards life.

### 'We owe a Great deal to Society':

Those were the words of Dr. Palanivelu. He was not a book-worm and did not insulate himself from the society and his heart was compassionate to the plights of others. He belongs to the most backward Vellala or Vellala Gounder community. Earlier it was kept out of the list of backward classes. In those days there was not a single person who was in a good position in the government office nor in politics, though that community had a dominating majority in seven or eight districts in Tamil Nadu. Dr. Palanivelu travelled across these districts and through his public speeches made the general public, esp. students aware of the injustice meted out to Vellala Gounder community.

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### EDITORIAL TEAM

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# Life Teaches more Valuable Things than Universities

“We get more and practical knowledge from life than from any university” so said B.P. Pradeep, an entrepreneur. He was speaking in the convocation ceremony organised to give away the degree certificates to P.G. students of Shridevi Engineering College, on December 9. He further said that “Students face examination once in a semester or year during their studentship. But they encounter testing moments posed by the practical situations in their lives day in and day out. It is more important to be successful in these tests, than in the traditional examinations”.

“Education has huge potential to raise a man to any height. It washes out his uncivilized and brutish nature and makes him a refined and well-cultured man. Consequently, he becomes amiable and sociable which helps him solve any problem in, anxiety and apprehension caused by, his career. Therefore, we can say that behind the success of any person, education is playing a vital role”.

“It is also important in this competitive world to learn as many languages or the dialects of one’s mother-tongue as possible. Communication skill is also important for one’s success”.

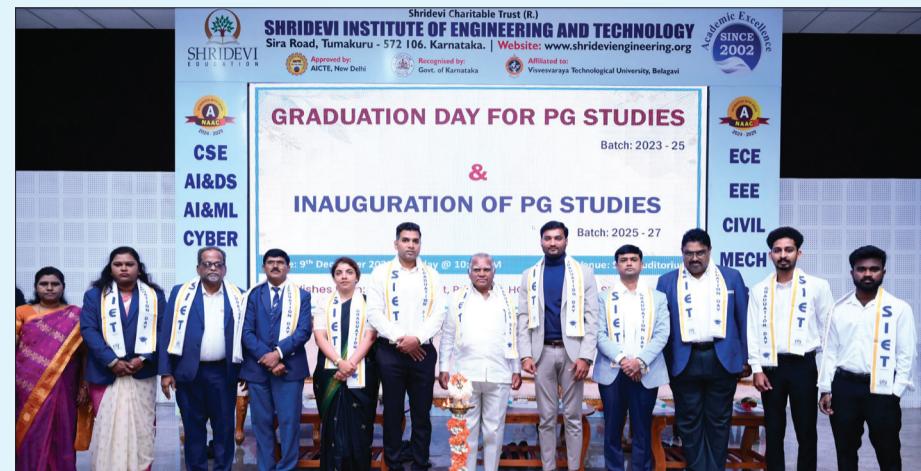
Appreciating the personality of Dr. M.R. Hulinaykar, he said “By setting

up Engineering, Medical, Nursing and other Para-medical colleges Dr. Hulinaykar has contributed a lot to the field of education. He has laid benchmarks for building up educational institutions and running them successfully. His foresight, ability to have coordination with people, support of his family members have raised him to the level what he is today.

Dr. M.R. Hulinaykar, the Founder Chairman of Shridevi Group of Educational Institutions, said on the same occasion “there are huge opportunities in India in the changed conditions. With honesty, simple life, high thinking, perseverance and hard work can help a man achieve anything”.

“Instead of searching for a job, you should utilise the opportunities and become an entrepreneur and give employment to others. To-day, there are a lot of avenues in India and abroad for those who have successfully completed their post-graduation course in Engineering”.

M.S. Patil, the Director (HR) of Shridevi Group of Institutions, addressing the students, said “You have to dream big, but after that you should not sleep, thinking your dreams will become a reality. You have to work sincerely to make your dream a reality. With perseverance



any thing can be achieved, and reach to the apex in your career. We should be aware of our potential and must have self confidence. Then opportunities of success will automatically come to your doorstep”.

Post Graduate students Ashwin, Deepa Aisiri, Devaraj, Shailaja and Ankitha recalled their experience of their college days and the moments they had spent with their teachers. Totally 43 students of Engineering (PG) were handed over the PG degree certificates. Prof. Narendra Vishwanath, the Principal, Chandrashekhar, Vice-Principal, teaching staff of Engineering College and students and their parents were present on the occasion.

■ Report: N. Anand

‘‘

By setting up Engineering, Medical, Nursing and other Para-medical colleges, Dr. M.R. Hulinaykar has contributed a lot to the field of education. He has laid benchmarks for building up educational institutions and running them successfully. His foresight, ability to have coordination with people, support of his family members have raised him to the level what he is today.

**B.P. Pradeep**  
Entrepreneur

# Good Health care is the Backbone of the Nation

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Similarly, they have to keep updating their professional skill too. The lives of former President of India Abdul Kalam, Stephen Hawking, Helen Keller. Show us the with hard work and perseverance. Shridevi Medical College is doing its best to give best doctors to the society”.

Dr. M.R. Hulinaykar, the Founder Chairman of Shridevi Group of Institutions, said “Though the nation has made great strides in the fields of education, technology and economy, it has not been able to reach its goal of building good healthcare system in rural area. Doctors entering into this field have to give serious attention to this fact. As our Institution has very good environment for studies and also has good teaching staff, more and more students are coming to study here year by year”.

Dr. Raman M. Hulinaykar, the Medical Director of the College, said “Since 1992 the Shridevi Institutions have been striving to give good education. It began its journey with Nursing College, Physiotherapy and Pharmacy colleges, added Engineering College in 2002, Medical College in 2012. Now it is providing education from pre-primary level to M.B.A., Engineering and M.B.B.S. levels. There are more than ten thousand students studying here



and more than two thousand staff members are working. First batch of students finished their M.B.B.S. course in 2018. Today thousands of doctors from this college are working in many prestigious organisations in India and abroad as well. To meet the needs of the ever-changing circumstances, the capacity of our hospital has been upgraded with new facilities every year. Now our 1200-bed capacity hospital has 100 ICU bed facility, two Cath-labs. Recently Oncology and Kidney Transplant Departments have also been added”.

Thirty-three P.G. students were awarded convocation certificates. The out-going students and their parents shared the experiences they had in this college. Some of the students said that they had enjoyed the homely atmosphere of the college campus. They also said that they were emotionally attached to this college and

now are feeling it difficult to leave this.

M.S. Patil, the Director of Shridevi Group of Educational Institutions, Dr. Harendra Kumar, the Principal of Medical College, Dr. Lavanya and Ambika Hulinaykar the trustees of Shridevi Charitable Trust, and Dr. Rekha Gurumurthy, the Vice Principal, Medical College were also present on the occasion.

## Students who completed their Courses successfully:

- **M.D.- Anesthesia:** Dr. Amulya R. Rao, Dr. Lubna Naaz Samiulla, B. Nitisha, Syeda Sania.
- **M.D. – Dermatology:** Dr. Ashvini U.N.
- **M.D. - Emergency Medicine:** Dr. Thrupthi N.S.
- **M.S. – ENT:** Dr. Archana M.P., Dr. Swetha Jengala,
- **M.D. – Medicine:** Dr. Divya N., Dr. Naveen S. Patil, Dr. Shekhar Jawalge,
- **M.S. - Obstetrics & Gynaecology:** Dr. Nikhita Laishram, Dr. Sanjana Shekhar, Dr. Rakesh Antaratani.
- **M.S. – Ophthalmology:** Dr. Krithi T.K., Dr. Pooja J.P., Dr. Veggalam Chandana
- **M.S. – Orthopaedics:** Dr. Anurag Sharma, Dr. Atul Kant Choudhary, Dr. H. Raghavendra.
- **M.D. – Paediatrics:** Dr. Nikkanti Chaitanya Bharathi, Dr. Shyamprasad S. Dr. Tellapali Rajiv Gandhi.
- **M.D. Psychiatry:** Dr. Akshay Eswar, Dr. Monica V. Dolli,
- **M.D. - Radio Diagnosis:** Dr. Asha Latha H.R., Dr. Anusha Palaparthi, Dr. Mohad Aquib Khan.
- **M.D. - Respiratory Medicine:** Dr. Daval Narendra Modi,
- **M.S. Surgery:** Dr. H.N. Harsha Tilak, Dr. Shrikanth Madhukar Kaluse, Dr. R. Sumedh, Dr. A.M. Vignesh.

# Shrudevi Nursing College Hosts 2-day International Conference

“A n important goal that is ‘Sustainable Development Goal’ of reducing the death rate of mothers and the new-born babies is prescribed by experts recently in the medical field. In our District, a traditional midwife by name Narasamma has helped more than 2000 childbirth in a natural way”. This was said by Dr. Parameshwara, the Nursing Principal of Government College, Tumakuru. He was speaking in a two-day International Conference on the subject ‘Strengthening Maternal and Child Health Equity – Innovations and Best Practices’ was organised on November 28, in the auditorium of Shrudevi Hospital, Tumakuru, jointly by Shrudevi Nursing College, Shridurgamba School of Nursing and Shriramana Maharshi Institute of Nursing Science.



He further said “Every one who is engaged in the medical field must understand the importance of Skill-labs and Simulation-labs. More than four hundred resource persons who have come from various states have attended this Conference and shared their experience with others. I

would like to say that this conference was a great success in achieving its purpose.”

Dr. Lavanya Ramana, a Trustee, Shrudevi Charitable Trust and expert Ophthalmologist, Shrudevi Hospital, Tumakuru, who was presiding over the Conference, said “This type of

Seminars are useful not only for medical students, but also for students of Nursing and allied sciences. Skill programmes will help the students, who have completed their higher education and studies, in solving the problems they face in their profession in future”.

Pradeep Veggi, the CAO of Shrudevi Hospital, Tumakuru, said “Behind the success of this conference there is the hard work of all concerned persons. In our hospital we have the required super speciality service and here our doctors and other medical staff have been successful in conducting most complicated child-birth cases. This is a concerted effort of all”. He told the students that students will learn a lot in seminars of this type.

■ Report: Shruthi Belliyar HV



## Special Lecture on Word Anatomy Day

A programme was organised on November 29, in connection with World Anatomy Day, by Shrudevi Medical College and Research Hospital, in the Shrudevi Hospital Auditorium. At the outset of the programme, Dr. D. Yogish, Assistant Professor, Anatomy Department, informed the students about the importance of World Anatomy Day. He gave very important advice about the study of anatomy.

Dr. Nachiket Shankar, Professor, Anatomy Department in St. John’s Medical College, Bengaluru, who attended the programme as the Chief Guest, shared his vast experience

with the participants. While explaining the concept of ‘Tension-free learning’, to make the students understand anatomy easily he gave some important tips.

The lecture was interactive and the students participated actively in question-and-answer session. They were informed about the necessity of learning methods, use of models, studying with the help of videos, and methodical learning.

Students studying in the first year M.B.B.S., Principal, professors and lecturers of Shrudevi Medical College had participated in the programem.

■ Report: Shruthi Belliyar HV

## Shrudevi Nursing College Valedictory Ceremony



“The first and very important ethical obligation that medical education places on medical personnel is ‘one should have to dedicate themselves to serve humanity compassionately. With this attitude, if you serve the patients the doors of success get opened” said Prof. R.K. Muniswamy, the Principal of Shrudevi Nursing College. He was speaking in the valedictory function organised for bidding adieu to the final year B.Sc. (Nursing) and General Nursing & Midwifery (GNM) students, on December 3rd.

Dr. Prakash of Shrudevi Community Health Centre, said on the same occasion “Results of examination is the reward a student can get. Nursing profession is not an easy job. You have to ensure quality service to the mankind”.

Dr. T.S. Bhimaraju of Psychiatry Department pointed out that “Getting a degree is the first step in your professional career. You will succeed in your profession only when you follow the values such as commitment, conscious of time, simplicity etc. of Dr. Abdul Kalam, Former President of India”.

“One thing you should keep in mind is, that each patient teaches you a lesson”.

Dr. Chikka Hanumanthaiah of Psychiatry Department said “When students entered into this college every thing here looked strange to them. But later affection and belongingness have developed in them towards this institution”.

“We wish you all success in your future career”.

A few of the students shared their experience with others.

■ Report: Shruthi Belliyar HV



# Free Diabetes Check-up Camp

‘The World Diabetes Day’ is observed on November 14th, every year. The main intention of this observation is to create awareness among general public about, avoidance of diabetes, and the importance of its treatment. This is organised jointly by the International Diabetes Federation and World Health Organisation.

One need not think that he or she is in the grip of diabetes, and for him there is no way seen to come out of it. But, no one has to fear diabetes. Simple thing is – follow regular exercise, good lifestyle and having right food as prescribed by doctor; with this you can lead tension-free life. To create this awareness among people, Shridevi Medical College had organised on November 25, a free health check-up camp. The organisers rendered a wonderful service and all those who attended the camp were very happy about their service. The response from public was very encouraging.

#### Three Types of Diabetes:

**Type 1 Diabetes:** This comes from heredity and sometimes life environment also. In this case, insulin production in the body will be less than the normal level or there will be no production at all.

**Type 2 Diabetes:** This is the most common type of diabetes. In this case,



diabetes creeps in to the body system usually when people cross forty years. So, it is rightly called adults' diabetes.

**Gestational Diabetes:** This refers to diabetes developed during pregnancy. This can be cured completely after the baby is delivered.

If the pancreas fails to produce sufficient insulin, blood sugar gathers in the blood vessels and that condition leads to several problems in the body. Also, consumption of high cholesterol foods results in fats being deposited in the arteries. In such cases the blood circulation through out the body gets badly affected and the result would be heart-related diseases.

If we have unhealthy habits that

are against the rules of health, without our knowledge, our body becomes the breeding centre of many serious diseases. As K.L. Virupaksha of Shridevi Medical College says, as our lifestyles and food habits have changed over the years, there is a phenomenal increase in the number of diabetes affected people in the country. He was speaking in the ‘Free Health Check Camp’ organised by Shridevi Medical College in connection with the ‘World Diabetes Day’.

In this camp, general random blood sugar, cholesterol, nervous weakness, eye problem, thyroid tests were conducted. More than 500 people

from Tumakuru city and villages around attended this camp and got tested. The symptoms of diabetes are frequent urination, excessive thirst & hunger, fatigue, blurred vision, slow-healing of wounds, tingling in hands & feet, and frequent infections, etc.

Besides failure of the pancreas gland to produce sufficient insulin, lack of physical exercise, sedentary job also the reasons for rise in blood sugar. India has become the capital of diabetes as there are more than 10 crore diabetic patients. This phenomenon is not peculiar to India alone, but has spread all over the world.

A detailed test conducted in this camp, would have cost thousands of rupees elsewhere. But Shridevi Medical College has conducted this camp free of cost. People, especially the poor ones, who got the benefit of this camp, appreciated the gesture of the Medical College and Hospital.

Dr. Lavanya Ramana, one of the trustees of Shridevi Charitable Trust and a specialist ophthalmologist, Dr. Mohan Kumar, the Medical Superintendent, Pradeep Veggi, the CEO, Dr. Channamallaiah, Deputy Medical Superintendent, Dr. Naveen, Diabetes Specialist, Narasappa, and some other medical personnel attended the camp.

■ Report: K.S. Rajamannar

## From Shridevi Education Institutions A Unique Contribution to Kannada on Rajyothsava

Shridevi Institute of Technology has taken initiative to develop ‘Prajna AI’, a AI tool in Kannada, similar to ChatGpt. As a first step in this endeavour a server made by Nvidia company with a RAM of 48 GB has been installed and many PCs have been attached to this server, which together form a robust computer system to Handle the LLM requirements is installed. It was symbolically inaugurated by Dr. M.R. Hulinaykar, the Chairman of Shridevi Charitable Trust.

This ambitious project has been taken up jointly by Kannada Ganaka Pratishtana, Bengaluru and Shridevi Group of Educational Institutions. Dr. M.R. Hulinaykar said that the students of Shridevi Engineering College, under the guidance of their teachers will build this system. It is hoped that this will, when completed, be an Indian substitute to ChatGPT in all respects. He also said “I am glad that this project is begun in the month of Kannada Rajyothsava. We hope by next Yugadi, the Lunar New Year’s Day, we will be able to roll out the first version of Prajna AI. It is a matter of pride that this Kannada-centered project is the first of its kind



in Indian Languages”.

G.N. Narasimha Murthy, the Secretary, Kannada Ganaka Pratishtana said “Kannada language has its own importance. The main goal of the ‘Prajna AI’ is that all information about various disciplines of knowledge such as science, technology, literature, culture, arts etc. should be available comprehensively in Kannada and it should be a digital encyclopedia. The initiative taken by Shridevi Educational Institute will



help greatly the Government, Kannada people, especially Research students, for which we all are joining our hands. We are determined to make this happen as soon as possible”.

Dr. Raman Hulinaykar, the Medical Director, Dr. K.R. Kamlesh, the Hon. Editor of ‘Shridevi Antaranga’, M.S. Patil, HR Director, Prof. Narendra Vishwanath, the Principal, Shridevi Engineering College, many teaching staff and students were present on the occasion.

## THREE-DAY TECH-MEET IN BENGALURU

## Investment &amp; Opportunities in Healthcare Sector



■ Venkatesha  
Prasad B.S.  
Senior Journalist

The Healthcare sector is gaining importance all over the world in these days. This importance is growing widely especially after the Covid pandemic. Now more and more researches are taking place in this sector and new devices are available. Bio-tech, robotic technology, Artificial Intelligence (AI) etc. have been bringing new concepts and amazing changes in healthcare sector. As a result, healthcare service is expanding enormously. This is bringing a lot of opportunities for India, and especially for Karnataka. Start-ups are giving a modern touch to healthcare service. It is likely to attract more and more investment and also give employment opportunities. In this context, an exclusive stage "Life-Stage" was set up in the three-day 'Bengaluru Tech-meet, held recently. At this stage, a think-tank meet was organised on the subject 'DIGI-Health and Biotech'. This meet was led by Priyank Kharge, the IT & BT Minister, Government of Karnataka. Many Departments of Karnataka Government were benefitted by this Meet.

Many experts from various fields, including Kiran Majumdar, participated and discussed about the opportunities that these new developments, challenges they are posing, and solutions. Experts working in the fields of biotech spoke about manufacture of disease-specific medicines and therapeutics, bio-tech start-ups and funding, diagnostics and Med-tech, regenerative medicine and cell-therapy, bio-manufacturing, inventions in biotech and foods, eco-biotechnology and AI & Biology etc. and shed light on various factors in the Meet.

#### Production Sector:

Keerthiprasad Venkataraman, the founder of 'Bio-forge' organisation spoke in the 'Artificial Intelligence and Biology' session on the developing economy that depends on the bio-technology and drew the attention to the huge opportunities awaiting new Indian entrepreneurs. He explained the corresponding expansions of market for production sector also along with the expansion of Research and Development fields, by giving an analogy of plantain marketing activity. He said that earlier from this activity only plantain fruit was the marketable product, but now each and every part of the plant have become marketable product. With the growing eco-consciousness and its inevitability, more and more opportunities in the



Participants in the session on 'Future Technologies in India: Lingaraj Savkar, President, Kyndryl India, Priyank Kharge, Minister, IT & BT, Kiran Majumdar Shaw, Executive Chairperson, Biocon, Kris Gopalakrishna, Industrialist, Prashanth Prakash, Chairperson, Vision Group of Startups.'

field of bio-technology are available now. Prof. Nagasuma Chandra, an Indian structural biologist, biochemist and a professor in the department of biochemistry of the Indian Institute of Science said "We have to orient the Technicians and new entrepreneurs to suit the requirements of the future. In this regard, there are a lot to be done to reform our education system. It would not be enough if one gets expertise in one discipline of knowledge. Today demands that we should have expert knowledge in various disciplines including pure science.

#### Importance of Patents:

Participating in the session on 'Eco-bio technology and bio-solutions' Prof. Sathyanarayana Gummadi, the Head of Bio-technology Department, IIT-Madras, advised the students to develop entrepreneurial temperament along with their regular curriculum, to make good use of opportunities that they get in profession in future and be abreast with modern day developments. This is imperative today and tomorrow. Keeping the goal of getting one patent day, IIT-Madras strived and got 380 patents in the last year. He suggested that educational institutions should try to get patents for their inventions. Rajagopal Manohar of Novonesis, Chennai, detailed about the opportunities that the sustained technology field is bring to us. Dr. Pankaj Patil of Praj Industries, said India is competent to give solutions to the global challenges.

#### Data Classification by AI:

Dr. Vaijayanti Gupta, the Chief Scientific Officer, CrisprBits, explained what important role, in the post Covid period, artificial intelligence (AI) is playing an important role in the Science and Technology. While speaking in the session on 'AI for change in Science and Engineering fields', Dr. Gupta said "in the last few years, a huge mass of data is being generated. AI is playing a very important role in managing and classifying this huge mass of data".

The Founder and CEO of InnAccel

**“ The next ten years will be the decade of Artificial Intelligence (AI), Robotics, Quantum Computing and Biotech. It is the cherished hope of Government of Karnataka that our State should be in the forefront in the development of these sectors. This Bengaluru Tech Meet has given us the required insight to realise this hope.**

**Priyank Kharge**  
Minister for Electronics  
and IT & BT  
Government of Karnataka

Technologies, who was speaking in the session on 'Bio-technology and Health technology Development' felt that it is necessary to give preference to Indian start-ups. He emphasized in his speech that to counter the enormous competition at international level and to develop advanced softwares giving encouragement to indigenous start-ups is essential. He also said in the present system the buying process, tender system etc. are, at the level of governments, are very complicated and to suit the changing times, it is necessary to change these systems. Dr. Niranjan Subbaraj of Cyclops Medtech said "The process of registration of products and getting commercial license in India is complicated, perplexing and time-consuming comparing to the system in other countries. This labyrinth has to be changed. In the last ten years, a lot of changes have happened in the med-tech field. Now internationally Indian products are preferred. However, the expansion of market within India is a challenging job".

#### Med-Tech should grow:

'Diagnostics and Medtech have not grown in India as pharma sector has. But these two sectors should also grow hand-in-hand'. This was the opinion of all the leaders of diagnostics and Medtech industries. Dr. Chandrasekharan Nair of BigTech Company said the there is immediate need for solving the problem of collaboration and funding for making inventions and marketing. Dr. Anuya

Nisal, one of the founders of Serigen Medi-products Pvt. Ltd. said that it is important that diagnostics industry has to have close contacts with the doctors.

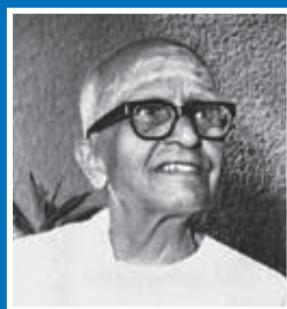
#### Need the support of Controlling Agencies:

Kiran Mazumdar-Shaw, the Executive Chairperson and Founder of Biocon Limited and Biocon Biologics Limited, said in the session on 'New Technologies that are shaping the future of B.T. Industry' "Required license, permits have to be accorded without undue delay for inventions made in the Indian biotech sector. The Controlling Agencies have to support by cooperating with the industry. Biotech sector is growing fast in China as the Controlling Agencies are not following labyrinth procedures. Same type of industry-friendly controlling system has to be followed in India too and they have to respond quickly for the initiatives taken in this field. This will help biotech industry have a sustained growth by 2047 and face the international competitions successfully. Debjani Ghosh of NITI Frontier Tech Hub said "The Biotech market, which is \$ 1.6 lakh crore at present, will reach \$ 3.9 lakh crore by 2030. USA is dominating this market now. But, by 2030, China will replace USA. The invention-friendly controlling agencies will be main pushing force in China".

G.S. Krishnan, the President of the Association of Biotechnology-Led Enterprises (ABLE), said the total turnover of Biotech was \$ 165 billion in 2024 and it is expected that it will be \$ 330 billion by 2030 and \$ 1.2 lakh crore by 2047".

Many experts including Dr. Prapulchandra, Dean, Atria University, Dr. Ezhil Subian, CEO, String Bio, Paras Chopra, Founder of Lossfunk, Nir Minerbi of Classiq, Suryaprakash Konanur of Idea String Capital, Dr. Manjiri Bhakre of Anco System, Dr. Shridhar Narayanan of Pepris Technologies, Debjani Paul, Mumbai, Dr. Sathyaprakash Das of BigTech, Dr. Anand Shivaraman, CEO of Remidio Innovative Solutions had participated in the Meet.

**Thus  
Spake the  
Wisemen**



**“It is not my wish that I should be a candy. If I become so, how can I enjoy the Sweet? So I wish to be a devotee of the God, and want to enjoy the nectar of devotion like an ant that enjoys the sweetness of candy.**

**Na. Kasturi**

**In his Book 'Satyam, Shivam, Sundaram' P. 26**

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Then he gave a strong representation to the Chief Minister Karunanidhi to include his community in the list of backward community and finally got it done.

#### **No to Politics:**

Once Kamaraj, a very senior Congress Leader in Tamil Nadu had come to Dr. Palanivelu's village. Dr. Palanivelu gave a speech in a public meeting in his presence. On hearing Dr. Palanivelu's effective speech, Kamaraj asked his assistants to get him enrolled to his party. But his life's ambition was different and more noble. He politely refused Kamaraj's offer. Instead, he began giving more attention to his studies, as per the advice of his professor A. Umapathi.

He got his M.S. degree under the tutelage of his great teacher Prof. C. Kalidas, in the Government Medical College, Madurai. Immediately after this course, he joined the faculty in the same college as a lecturer.

#### **Preferred Knowledge to Good Salary:**

With the help of the Health Minister, he joined as a professor in Stanley Medical College, the college in which he studied. While he was doing his M.S., he got married with Jaya, a daughter of a contractor.

Dr. Palanivelu wanted to settle in Salem where his father-in-law had taken initiative to establish a super hospital. But destiny had its own plan for him. Prof. N. Ranga Bhashyam, a professor, sent a proposal to Dr. Palanivelu to study M.Ch. (Magister Chirurgiae or Master of Surgery) under his guidance. It was not lucrative at all. But Dr. Palanivelu preferred to study under his professor again. Here on, his personality began shaping itself and finally made him what he is today.

Once a few patients whom Dr. Palanivelu had operated upon earlier, were, before going home waiting to express their gratitude to him. Dr. Rathnaswamy, a colleague of Dr. Palanivelu, asked him why these people were waiting here. Dr. Palanivelu said "Really, I do not know. As I know that these poor people have come from their villages. I see in them my family members and relatives". This is how he was looking at his patients, especially poor ones. Also, it shows how the doctors in a country such as ours should see their patients.

#### **When Things not Going his way:**

On one occasion his professor and guide mistook and neglected him. He was hurt. He wanted to discontinue his course and go back. But one of

## **Dr. Palanivelu, the Indomitable Achiever**

his students persuaded and changed his mind and made him to complete his course. However, the annoyance that the people of his department continued unabatedly. This has resulted in the fact that he could not pass through the examination. In the second attempt he established his talent and expertise before the examiners who had come from another state and was successful in completing his M.Ch. course. Later, he felt that he did not want to



continue in that college. So, he went to Rajaji Medical College, Madurai, as a lecturer. After some time, he was transferred from there to Coimbatore Medical College. Wherever he went, the harassment in the department did not stop, which he bore patiently.

#### **The Goal Became Clear:**

Dr. Palanivelu operated upon a woman Jaya Mary, who had some problem with her oesophagus (food pipe) successfully. For this procedure, he adopted a new technique, which gave a new turn to his professional career. In a workshop conducted on intestine related diseases in 1990 in the Medical College, the interest of Dr. Palanivel in research became well-known widely. Besides organising many such workshops, he has presented research papers in such workshops and has the name of our country shine brightly on foreign soil also.

#### **First Laproscopic Surgery:**

Dr. Palanivelu's propensity to learn is a born gift to him. He garnered all his resources and went to Singapore in 1991, to attend a training on Laproscopic surgery. After coming back from Singapore, he organised the first ever workshop on laproscopic surgery in India in October the same year.

The 'Lap coli surgery' (laparoscopic cholecystectomy, a minimal invasive procedure to

remove the gall bladder using several small abdominal incisions, a camera (laparoscope), and some specialized tools, offering less pain, faster recovery, and shorter hospital stays) done by Dr. Palanivelu was probably the first of its kind in South India. Earlier the traditional method would take 3 hours and 20 minutes. This new procedure of Dr. Palanivel took just 30 minutes. It drew the attention of the medical world. He also organised a workshop on appendectomy (the surgical removal of the appendix) using laproscopic method and dispelled the doubts that were then surrounding this method. I too had attended one such workshop. The tips he used to give to surgeons was very useful. Now that procedure has become common among all surgeons. After getting training there, I

too followed the same procedure in similar cases, and in Shridevi Hospital the same procedure is being continued even today.

#### **B.C. Roy Award:**

Dr. Palanivel was endeavoring to realise his ambition to make Coimbatore a main centre for laproscopic surgery in India. He was awarded 'B.C. Roy National Award' for his invaluable service in the medical field by the Government of India. He received this award from Pratibha Patil, the then President of India.

#### **Research Papers International Workshops:**

When he visited America, Dr. Palanivelu keenly observed the laproscopic and cholecystectomy surgery procedures being done in the Washington Medical College Hospital. There was not much difference between the protocols observed in these two surgeries. This gave a boost to the confidence of Dr. Palanivelu.

Dr. Palanivelu participated in the Fifth World Endoscopic Surgery workshop in 1996 and presented two research papers. The positive response he got for these papers made him engage more and more in research works.

Hernia surgery is a challenging procedure. He got the name for having done it in laproscopic method

in India. The patient who underwent that surgery, recovered and went home in one day. Dr. Palanivelu becomes all euphoric whenever he narrates this incident.

#### **Publication of Reference Books:**

Dr. Palanivelu published his book 'Art of Laproscopic Surgery: Basic to Advance' in 1998. Even today this book is being used as an authentic reference book to know about Laproscopic Surgery. In the same year he published his second book 'CIGES Atlas of Laproscopic Surgery', which was released in Singapore. This is a valuable reference book for the medical students. And has gained a lot of popularity and is, therefore, being reprinted regularly. He brought out another book 'Atlas-cum-Textbook'. This book is also being reprinted regularly.

Dr. Palanivelu has participated in laproscopic workshops held all over the world and presented his research papers. Also, he has demonstrated the procedure of laproscopic operations. He continues his endeavour to bring awareness about this procedure. The method of suturing developed by Dr. Palanivelu has become very popular and is now widely known as 'Palanivelu Suturing Method'.

#### **International Recognition:**

The research paper presented by Dr. Palanivelu in the 6th World Endoscopic Surgery Workshop held in Rome, was recognised as the best one in the workshop. This is a matter of pride to all those who are engaged in the medical field, in India. This was the first such recognition that a surgeon of a developing nation received abroad. However, it is regrettable that this news has not been given its due publicity in our national news media. May be, it might have been found some space in one or two local papers of Tamil Nadu. The media people hardly give any importance to such an important news item. It looks like they do not have any interest in and knowledge of significant developments in the medical field.

#### **Japan Wins his Heart:**

Dr. Palanivelu visited Kyoto, a city on Honshu Island, Japan, in 1994 to attend the Fourth World Workshop on Endoscopic surgery and presented there four research papers. This Workshop was attended by many endoscopic surgeons from different parts of the world. Papers presented by several surgeons are judged by a committee of Juries appointed for that purpose and the ones presented by Dr. Palanivelu were adjudged the best papers.

# Dr. Palanivelu, the Indomitable Achiever

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While being in Japan, Dr. Palanivelu observed with keen eyes the honesty, integrity, sense of duty, time-consciousness and patriotism of Japanese people, which are their hallmark. He liked these traits very much.

The endoscopic robotic surgery has recently been included in the insurance scheme of Japan. Under this scheme, those who underwent this surgery can get the expenses incurred by them from the Government. Earlier, endoscopic robotic surgery, since it is a new invention, was not covered by insurance. In India too, we have many social welfare schemes. Dr. Palanivelu feels that patients undergoing endoscopic robotic surgeries too must be given some financial assistance.

Dr. Palanivelu trained the surgeons of South Korea and China in laparoscopic and robotic surgeries when he was invited to international workshops organised by these countries.

## The Whipple Man:

Dr. Palanivelu is considered as the 'Whipple Man'. He conducted laparoscopic whipple operation upon a patient who had pancreas gland cancer successfully. The Hospital days of that patient was very short. This laparoscopic whipple operation is regarded as the first of its kind in the world.

He had operated another patient on June 17, 1998. This operation was also successful and the patient was feeling good since day one of the operation itself. He was discharged on the 9th day of the operation. Subsequently, Dr. Palanivelu kept on improving the procedure and finally he proved that laparoscopic whipple surgery can successfully be the most effective procedure for curing pancreas cancer. For this, Dr. Palanivelu got international recognition.

## Coimbatore Occupies a Prestigious Place:

The 'International Summit on Laparoscopic Pancreatic Resection' (ISLPR), organised by Dr. Palanivelu in Coimbatore helped Coimbatore being recognised as one of the important centres for conducting international medical workshops. It is because of the dedication of Dr. Palanivelu to his profession put this city in the list of cities such as London, Tokyo, New York. This is the maximum an individual can make to uplift his city to this level. Dr. Palanivelu has the credit of using laparoscopic and robotic methods successfully in curing cancers.

## Revolutionised the Treatment of Oesophagus Cancer

Oesophagus cancer is a very common type of cancer in India.

Formerly, in the old method the chest and abdomen had to be cut open while conducting surgery for curing this cancer, which involved many complications. Usually, surgeons were hesitant to undertake this surgery.

As a Gastroenterology Cancer Surgeon Dr. Palanivelu has made substantial research in the oesophagus surgery. He has conducted many experiments connected with this surgery. In 1997, he conducted successfully minimal invasive esophagectomy (a modern surgical approach for removing part of or entire esophagus, typically for cancer, using small incisions, cameras). Following this, he, on invitation, conducted similar surgeries in Bengaluru, Cochin, Ahmadabad, Italy, London, etc. He also participated in the workshops on Oesophagus cancer surgery and got the appreciation in those places.

Dr. Palanivelu followed the three stages of McKeown esophagectomy procedure using minimal invasive (robotic/laparoscopic) methods and removed the oesophagus (food-pipe) demonstrating how beneficial this method would be. Now, this Thoracoscopic esophagectomy in prone position is known as the 'Palanivelu technique' and is being used by the surgeons all over the world. This is considered as the most valuable contribution to oesophagus cancer surgery by an Indian Surgeon.

## Gets Hon. Doctorate in England And Royal College Fellowship:

Though Dr. Palanivelu has not made any research in the field of medical field in England, he got an opportunity to be a lecturer in British Surgical Society. He became a Hon. Fellow of ALSGBI (Association of Laparoscopic Surgeons of Great Britain and Ireland).

The Chelmsford and Oxford Universities have honoured Dr. Palanivelu with Hon. Doctorate. The Royal College of Surgeons, a renowned medical institute in Edinberg, UK, gave him the Fellowship.

It is an important thing to get such an honour from Royal College. Only those who have great achievements in the field of medical field can get it. Dr. Palanivelu, who has come from rural India, made India proud by achieving this distinction. The Indian Medical field has congratulated Dr. Palanivelu, for this achievement.

## Robotic Surgery:

Robotic cancer surgery uses advanced robotic systems, to help surgeons perform complex procedures with enhanced precision, flexibility, and control through small incisions, offering benefits like less pain, reduced blood loss, shorter hospital stays, and faster recovery for cancers



Dr. Palanivelu couple with President Draupadi Murmu.

in hard-to-reach areas (such as prostate, kidney, head/neck, etc.). The surgeon controls the instruments remotely from a console, getting magnified 3D views, essentially extending their hands for delicate work, leading to better oncological outcomes.

Dr. Palanivelu has been using Robotic Whipple Procedure since 2016. The GEM Hospital (Gastroenterology and Medical Centre) is India's one of the largest Laparoscopic and Gastroenterology Hospital. It is renowned as a very good centre for laparoscopic gynec surgery and obesity bypass surgery. Dr. Palanivelu has performed many such surgeries.

## Gastro Enterology and Medical Centre:

The Gastro Enterology and Medical Centre (GEM), a 75-bed hospital, was established in 2001 by Dr. Palanivelu. Here medical services are extended to economically poor people also. It has been expanded from time to time and now it has three hundred bed capacity. Besides, GEM Hospital has its centres in Delhi, Mumbai, Rajkot, Ahmedabad, Pune, Kolkata, Indore and Chennai also.

## A Word Record:

Besides participating in international workshops, Dr. Palanivelu is organising medical camps all over Tamil Nadu and creating awareness among common people about health. On the annual celebration day of the Hospital in 2002, one hundred laparoscopic hernia surgeries were performed. Performing such a huge number of successful surgeries on one day (from 7.00 am to 9.45 pm.) by a single person is a world record. Dr. Palanivelu has achieved this achievement by performing these many surgeries. Only the groups that were assisting him, were being changed.

GEM Hospital has modern tele-teaching facilities also. Here,

surgeons from all over the world are taught about new techniques in surgery and use of modern devices in the procedures.

## Organ Transplantation & AMAS :

Dr. Palanivelu has the credit of being the first surgeon who transplanted the liver taken out from a live donor to another person using laparoscopic method.

Another achievement of Dr. Palanivelu is that he established the 'Association of Minimal Access Surgeons of India (AMASI)' with the help of Indian Surgeons Association. This is the dream-child of Dr. Palanivelu. The first Session of AMASI was held at the national capital, New Delhi.

Recognising the invaluable service of Dr. Palanivelu in the fields of laparoscopic and robotic surgery, the N.T.R. University of Health Sciences, Andhra Pradesh has honoured him by conferring an Hon. Doctorate.

## Second Dr. B.C. Roy Award:

Dr. Palanivelu got 'Dr. B.C. Roy National Award' for the second time also. The Government of India has honoured him with this award in 2015, recognising him as an expert surgeon.

## Happy Family:

Dr. Palanivelu has a happy family. For all the success he has achieved, there are the support, cooperation and sacrifice of his wife Smt. Jaya Palanivelu. Dr. Pravin Raj, son of this couple is managing the Hospital in Coimbatore. He is also a Gastroenterologist. Smt. Prabha is the daughter-in-law of Dr. Palanivelu couple.

Dr. Palanivelu's daughter is Priya and Dr. Senthilnathan is his son-in-law. Dr. Senthilnathan is a surgical Gastroenterologist and he is heading GEM Hospital in Chennai. Dr. Palanivelu has four grandchildren.

## We Bow with Respect:

Though Dr. Palanivelu is a Surgeon with scientific temperament, he is a staunch believer. His view of life is that one should do his or her duty honestly and leave the fruits of it to the will of God.

He has irrepressible thirst for knowledge and is very much interested in research in his field. His natural tendency keeps him thinking every day and every moment what more service he can render to the medical field and how he can help people, especially the under-privileged ones. I, on behalf of myself and on behalf of all the members of Shridevi Group of Institutions, bow to him in respect for his great service in the medical field.

I also congratulate the four translators who gave to Kannadigas the autobiography of Dr. Palanivel in a very lucid and attractive style.