



MANIPAL
UNIVERSITY

25th

CONVOCATION

November 2017



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Program Day 1

Date: 18 November 2017

Program Schedule

DAY 1

November 18, 2017

4,30 pm | KMC Greens

- Procession
- National Anthem
- Invocation – University Anthem
- Declaration to open Convocation
- Welcome Address
- Overview of Manipal University
- Introduction of Chief Guest
- Convocation Address
- Presentation of Memento
- Facts and Figures about Graduates
- Conferring the Degree
- Administration of Oath
- Award of Gold Medal
- Award to PhD Scholars
- Vote of Thanks
- Presentation of Graduates

Note:

Please occupy your seat 30 minutes before the function
For live webcast please visit <http://www.manipal.edu>
RSVP: 0820 2822330 or pro@manipal.edu



**MANIPAL
UNIVERSITY**

Deemed to be University under Section 3 of the UGC Act 1956

cordially invites you to the

25th CONVOCATION

DAY 1 Saturday November 18, 2017	DAY 2 Sunday November 19, 2017	DAY 3 Saturday November 25, 2017
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4,30 pm – 8,00 pm | KMC Greens, Manipal

DAY 1

Chief Guest: **Mr Anand Sudarshan**
Founder and Director, Sylvant Advisors

Dr H Vinod Bhat
Vice Chancellor

Dr H S Ballal
Pro Chancellor

Dr Ramdas M Pai
Chancellor

Convocation Procession





Invocation



Dr H S Ballal, Pro Chancellor, Manipal University declares the Convocation open



Welcome Address



Dr Poornima Baliga B, Pro Vice Chancellor, Faculty of Health Sciences, Manipal University delivering the welcome address

Chief Guest of this evening Mr Anand Sudarshan, Founder and Director, Sylvant Advisors Pvt Ltd, Mrs Padmashree Sudarshan, Pro Chancellor Dr H S Ballal, Mrs Indira Ballal; Dr Ranjan Pai, Chairman Manipal Medical and Education Group; Vice chancellor Dr H Vinod Bhat, Dr (Mrs) Parvathi Bhat, Pro Vice Chancellors Dr Surendra Shetty and Dr Abdul Razak, Dr G K Prabhu, Registrar Dr Narayan Sabhahit, Dr Thammaiah, Director, Manipal Academy Banking, Bangalore, Registrar Evaluation Dr Vinod Thomas, Director Student Affairs Dr Suma Nair, Deputy registrars Dr Shyamala Hande and Dr Preetham Kumar, Heads of Constituent institutions of MU, Manipal, Administrators, faculty members, members of the press and electronic media, distinguished invitees, parents of degree awardees, graduates and post graduates, ladies and gentlemen.

A very good evening to you all!

I have great pleasure in extending a hearty welcome to all of you for honouring our invitation to commemorate the 25th convocation ceremony of the MU, Manipal.

A [convocation ceremony](#) is a special day in the academic life of students as after years of hard work

and dedication, they get their hard-earned education degrees. Wearing the traditional academic regalia and walking up the stage is the dream of every student in front of his colleagues, friends, and family members, who have supported them in their difficult endeavour. It is a defining moment in every student's life, giving his self-esteem a boost.

As black hats are tossed in air, the sky is filled with euphoria. Graduation day is a unique celebration. It is the coming of age, the arrival of maturity and responsibility, which makes the heart go aflutter. Students dream of this grand day all their college life.

The MU, Manipal stands in its glory here today because of the visionary Dr TMA Pai, who was the founder of the Manipal group of institutions. Dr Ramdas M Pai followed his father's footsteps and converted a local University into a global educational village of great status.

We are fortunate to have on this eventful occasion our esteemed Chief Guest Mr Anand Sudarshan, founder and Director, Sylvant Advisors Pvt Ltd. On behalf of MU, Manipal, we are deeply appreciative and offer our most cordial and cheerful welcome to you, Sir.

A special and friendly welcome to Mrs Padmashree Sudarshan on this occasion!

We are happy to have amidst us today Dr H S Ballal, Pro Chancellor of our University and the guiding force behind the growth of this University. To you Sir, I extend a delightful welcome.

A friendly welcome to Mrs Indira Ballal!

We are delighted to have amidst us Dr Ranjan Pai, MD and CEO of Manipal Medical and Education Group. It is our honour and privilege to have you here. I extend the most courteous welcome to you, Sir.

It gives me great pleasure to welcome our Vice Chancellor Dr H Vinod Bhat, who has been a part of the leadership team for years and is actively



enabling the development of this University. I extend a pleasant welcome to you, Sir.

A cordial welcome to Dr Parvathi Bhat!

I am glad to welcome the members of the Pai family, who have made it convenient to grace this event.

I welcome the members of the Board of Management, Academic Senate and Finance Committee, who monitor and ensure constant and consistent progress in the activities of MU, Manipal.

We have with us the elite of Manipal, Udupi, and Mangalore, our well-wishers, who have always cherished the growth of our institutions to shape the younger generation. To all of them I extend a gracious welcome.

The well-knit Manipal team consisting of heads of constituent institutions, faculty members, officers of MU, Manipal, and the supporting staff, who have played a dynamic role in carrying forward the vision of MU, Manipal. A hearty welcome to all!

The members of the press and the media have been projecting to the public our message, showcasing the transparency and integrity of MU, Manipal. Hearty welcome to all of them, who have responded to our invitation!

It is a great day for the parents of graduates and post-graduates, who are to receive their degrees

today. I extend a warm welcome to all of them, who have come in large numbers to share the joy of this occasion.

Last, but not the least, the most important people of this convocation are the graduates, the post graduates, and the post-doctoral fellows, who are eager to receive their degrees today.

My dear young graduates, I am positive that each and every one of you will certainly use your ability to the fullest. Stick to the values and be ethical; be sincere in your thoughts and action, for sincerity always pays in the long run. Remember there are no short cuts to success. Be a credit to your profession. Be a credit to your alma mater, your teachers, your parents, and most of all to yourself. This is a wonderful world in which you have been born. Preserve and nurture it.

“Education is the most powerful weapon, which you can use to change the world,” says Nelson Mandela.

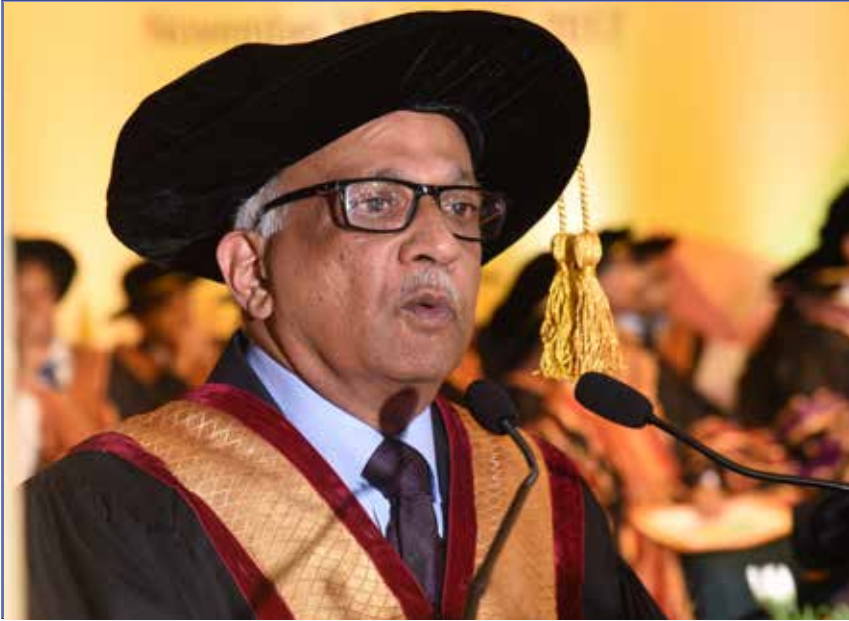
Dear graduates, once again my heartiest congratulations on your success and the very best wishes to all of you.

Ladies and gentlemen, once again I extend a gracious welcome to all of you to this occasion.

Thank you!



Overview of the University



**Dr H Vinod Bhat, Vice Chancellor,
Manipal University
presenting an overview of
the University**



Chief Guest for the 25th Convocation of MU, Manipal, Mr Anand Sudarshan, Pro Chancellor Dr H S Ballal, Pro Vice Chancellors Dr V Surendra Shetty, Dr G K Prabhu, Datuk Dr Abdul Razzak, and Dr Thammaiah Chekkera; Registrar Dr Narayan Sabhahit; Registrar Evaluation Dr Vinod Thomas; Deputy Registrars Dr Shyamala Hande and Dr Preetham Kumar; Director Student Affairs Dr Suma Nair; Heads of Constituent Units of Manipal University, Members of MU

Trust, Board of Management, Academic Senate, Heads of Institutions, administrators, faculty members of the media, distinguished invitees, online audience, parents and my dear students.

I am pleased to take you through a short presentation of the University's achievements in the last 12 months.



The man who conceived and created Manipal, Dr Tonse Madhava Anant Pai, was a pioneer in Educational Entrepreneurship. His far sighted vision and single minded approach to the accomplishment of goals saw the birth of private medical education in Manipal, which led to a model emulated across the country even to this day. Dr TMA Pai's principle of thrift and small savings was actually the practice Behavioural Economics, long before Richard Thaler won a Nobel prize.



The Legacy Continues



Dr Ramdas M Pai,
Chancellor, MAHE, Manipal



Dr Ranjan R Pai,
Chairman, MEMG India Pvt Ltd

His illustrious son, Dr Ramdas M Pai made Manipal an International University Township and also took Indian Higher Education overseas. Dr Ranjan Pai is at the forefront of the enterprise in education, healthcare, and cutting edge research. With several spectacular successes behind him, he represents the third generation. Commitment, perseverance, integrity, and humility have been the core values of the family and the University has adopted them as its own in its march forward.

Rankings and Recognition



<p>UGC Inspection ✓</p>	<p>16 (India) 198 (Asia)</p>	<p>Pharmacy: 251 - 300 Medicine: 451 - 500</p>
<p>World: 800+ Asia: 251 BRICS: 251 - 300</p>	<p>No. 1 with 4 stars</p>	<p>18th among Universities; 4th Deemed University; 7th Pharmacy</p>
<p>1st and AAAA+ Top Private Multidisciplinary University</p>	<p>ISO 9001: 2015; ISO 14001:2015; ISO 50001:2011</p>	<p>No. 2 in India; 67th Globally - Sub-urban</p>

2017 has been the best year for MU, Manipal in terms of rankings. Manipal has been ranked the best in Karnataka, 18th best in India and in the range of 700-750 out of more than 30,000 Universities in the world. By QS World Rankings, we are the 13th in India and the highest ranked among Private Universities.

Faculties



Faculty - Health Sciences

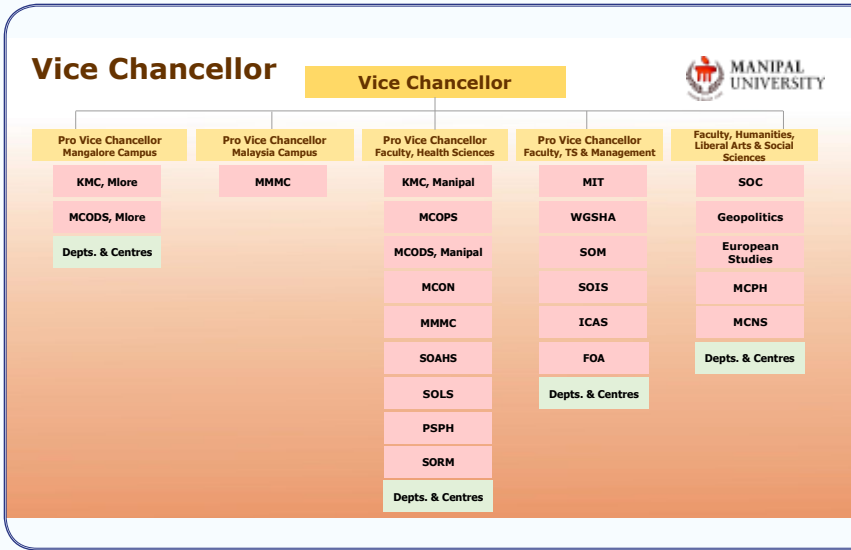


Faculty - Technology and Management

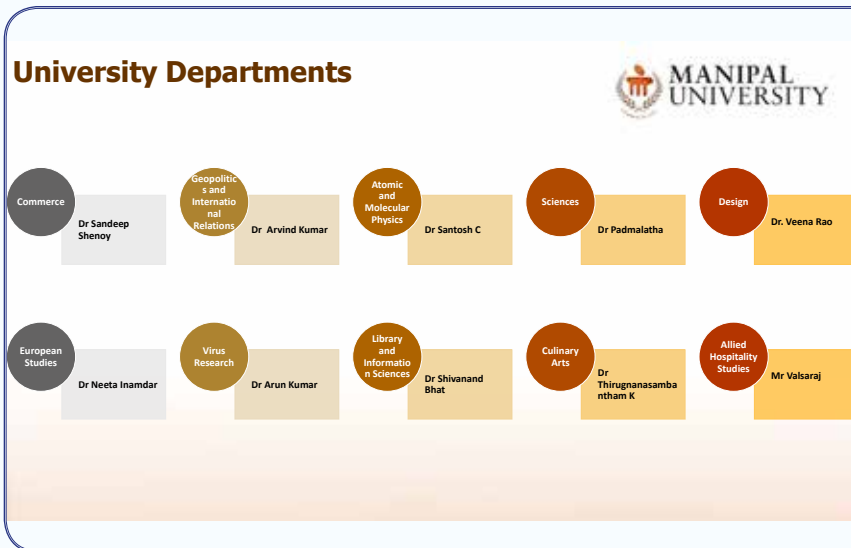


Faculty - Humanities, Social Sciences, and Liberal Arts

The University, in its collective wisdom, restructured its organogram. In the 25th year of its existence, MU, Manipal is now divided into Faculties. Two of the three faculties are led by Pro Vice Chancellors.



The Campuses in Mangalore, Melaka, and Bangalore are looked after by Pro Vice Chancellors.



The University has 10 departments and two centres of Excellence. The postgraduate programs in Biostatistics, Liberal Arts, Public Health, European Studies, and International Relations are undoubtedly the best in the country. These departments have several high visibility projects. It is pertinent to mention the Erasmus Plus Capacity Building Grant for CLIL – Content and Language Integrated Learning, awarded to the Dept of European Studies – the only EU Grant in the country, where an Indian University is the lead.



The University has set up 77 unique centres, many of which are interdisciplinary. Some of the Centre are in collaboration with industry for example – Manipal Robert Bosch Centre for Health, Advanced Research and Technology and some are with University partners - for example Manipal McGill Centre for Infectious Diseases.



Kasturba Medical College, Manipal



Main Achievements

- Ranked 2nd South Zone (The Week);
- AAAA+ (Careers 360)
- KMC intern @ Windsor Castle Consultation
- UN representation by a student

Major Activities

- Conference – 09; CME – 38
- SZUSICON – Urology Conference
- OASISCON – Orthopaedic Conference
- Indo-German Convention of Lindau Alumni
- Medical education seminars in collaboration with University of Chicago



Manipal Chicago Dialogue



Ms Poorvaprabha Patil at UN HQ

Inception: 1953; Courses: 56; Students: 2124; Faculty: 421; Grant: 122.76; Papers: 426

Kasturba Medical College is the flagship institute of the University by its seniority, its high standards in academics and research and the sheer quality of the clinical experience for its undergraduates and residents. It has been consistently ranked among the Top 10 Medical Colleges in the country for the last 15 years.

Kasturba Medical College, Mangalore



Main Achievements

- Public Private Partnership in medical education and health care
- First liver transplant in Coastal Karnataka
- Winners of Medi Quiz - 2017

Major Activities

- GEMx (Global Education in Medical Exchange)
- GHLO (Global Health Learning Opportunities)
- Student Exchange Program - Weill Cornell Medical College, Qatar



Winners – Medi Quiz

KMC Attavar – Silver Jubilee

Inception: 1955; Courses: 45; Students: 1639; Faculty: 403; Papers:146; Grants:14.38

KMC, Mangalore is the finest example of Public Private Partnership in medical education and patient care.

Manipal Institute of Technology



Main Achievements

- AICTE clean campus award
- SOLARMOBIL - India's first and only four-seater passenger solar car
- Mars Rover Challenge – 8th Globally; 1st in Asia

Major Activities

- Curriculum Conclave
- Extramural lectures
- Engineers' day



AICTE Clean Campus Award



SOLARMOBIL Car SM-S1

Inception: 1957; Courses: 43; Students: 8432; Faculty: 624; Papers: 332; Grants: 123.6

Manipal Institute of Technology, the largest of the constituent colleges of the University, is celebrating its Diamond Jubilee this year.

MIT Manipal has been awarded as “Third Cleanest Campus in India” and First Place in South-West region in “AICTE Clean Campus Award 2017”. Research grants and publications from MIT during the year exceeded our expectations by far.

Manipal College of Pharmaceutical Sciences MANIPAL UNIVERSITY

Main Achievements

- QS Pharmacy ~250 and 300
- NIRF – 7th in India in Pharmacy
- Granted Indian Patent – Chronotherapy
- Winner – Grand Challenges Canada
- Centre for Drug Discovery with DRILS
- Engineered a nanotech based drug delivery
- Newton-Bhaba Fellowship



Manipal College of Pharmaceutical Sciences is the highest ranked among the University's institutions by QS Subject wise rankings.

Major Activities

- Certificate Course – Clinical Research Associate
- Certificate Course – Research Orientation



Inception: 1963; Courses: 16; Students: 888; Faculty: 66; Papers: 93; Grants: 73.38

Manipal College of Dental Sciences, Manipal MANIPAL UNIVERSITY

Main Achievements

- Ranked No. 1 – Week Hansa Survey
- Faculty Fellowships - 5
- International adjunct faculty - 3
- MUTBI – First place
- Student exchange - Henry M Goldman School of Dental Medicine



Manipal College of Dental Sciences, Manipal is the Number 1 Dental College in the country for yet another year. MCODS continues to win innovation competitions and hackathons within the University and outside.

Major Activities

- Recognition - Sri Lankan Medical Council
- MIDST 2017 – 15 international students
- Certificate course - Integrated Dental Photography



Inception: 1965; Courses: 14; Students: 697; Faculty: 81; Papers: 99; Grants: 0.28

Welcomgroup Graduate School of Hotel Administration MANIPAL UNIVERSITY

Main Achievements

- Top Hotel Management Institute of India by CEOWORLD Magazine - World Ranking 36
- No. 1 Supreme Hotel Management Institute in India



WGSHA has been recently ranked the 36th best hospitality school in the world by CEO World. We have commissioned new infrastructure for the Academy of Culinary Arts. The total student strength is poised to cross 1000 in the next one year.

Major Activities

- Chef Vikas Khanna's Culinary Museum Project commissioned
- BHM, BA Culinary Arts; MSc – Dietetics and Nutrition; MSc – Hospitality and Tourism



Inception: 1986; Courses: 2; Students: 541; Faculty: 37; Papers: 3



Manipal College of Dental Sciences, M'lore



Main Achievements

- Top Ranks NEET - UG/PG Entrance Exam
- Indigenous digitalization - Patient Management System

Major Activities

- Center for Advanced Dental Education
- Korean Orthodontic Research Institute
- "SCORE – 2017"
- MoU – University of Portsmouth
- The University of Iowa – Student Exchange



Tweed Merrifield Course



University of Iowa - Exchange

Inception: 1987; Courses: 12; Students: 622; Faculty: 76; Papers: 38; Grants: 1.5

MCOADS, Mangalore commenced a Centre for Advanced Dental Education with a mission to conduct high quality continuing dental education programs. The first in the series was an international orthodontic workshop conducted by the Korean Orthodontic Society. This is the only centre outside South Korea offering the advanced learning opportunity. The institute organized the Undergraduate Student Research Conference "SCORE-2017," the first of its kind in India.

Manipal College of Nursing



Main Achievements

- Ranked 3rd out of 1623 colleges in India
- Only nursing institution to offer MPhil
- Nurse Practitioner in Critical Care - Indian Nursing Council approved
- MGH Institute of Health Professions, Boston, USA; University of Stavanger, Norway

Major Activities

- Continuing Nursing Education (CNE) at Al Salam International Hospital, Kuwait
- Add on Courses - Neonatal, Critical Care, Emergency, Infertility Nursing



Faculty - Nursing



15-8-2017: Best Contingent

Inception: 1990; Courses: 9; Students: 502; Faculty: 53; Papers: 11

Manipal College of Nursing is ranked number three out of more than 1600 Nursing colleges in the country. Graduates of MCON are highly sought after by the industry. The College is the only one in the country offering MPhil Nursing Program.

International Centre for Applied Sciences



Main Achievements

- 39 International partners; Cracking the Dream University Abroad
- >100 International Universities accept ICAS credits
- Guest lectures from >30 International Professors

Major Activities

- Enhanced Foreign University Collaboration, strengthening Twinning Program
- Awareness workshops on Foreign University Admissions

71st Independence Day24th Batch of ICAS students

Inception: 1994; Courses: 1; Students: 284; Faculty: 4; Grants: 2.8

International Centre for Applied Sciences works with 39 international partner Universities, successfully placing eligible students in programs in the US, UK, Germany, France, and Australia.

Melaka Manipal Medical College, Manipal



Main Achievements

- MQA Accredited, Six strand, system based, integrated curriculum
- Clinical skills and digital labs for OSCE and OSPE
- Digital Laboratory



Major Activities

- Student Centric Pedagogic Practices
- Mentored Student Research Project and Problem based learning
- Personal and Professional Development Modules



Student Centric Pedagogy

Medical Education Unit Launch

Inception: 1997; Courses: 2; Students: 900; Faculty: 153; Paper: 90

The medical and dental programs of Melaka Manipal Medical College are conducted in the twin campuses at Manipal and Melaka. It follows the six strand, system based, and integrated curriculum with unique and innovative focus on student centered learning.

School of Communication, Manipal



Main Achievements

- 20th Year Celebration
- Rankings: 5th India Today, 6th Outlook
- Media Research Center - First of its kind

Activities

- Dr M V Kamath Endowment Lecture - Dr A Surya Prakash, Chairman, Prasar Bharathi
- Health Colloquium - 2017
- Article 19 – Bezwada Wilson, Magsaysay Awardee
- International Conference on India's communication policy and strategy



Dr M V Kamath Oration Dr A Surya Prakash, Prasar Bharathi

Article 19 – Mr Bezwada Wilson, Magsaysay award recipient

Inception: 1997; Courses: 6; Students: 489; Faculty: 21

School of Communication is rapidly transiting from being a teaching institution to one that is deeply engaged in research. SOC attracts international students from Norway, Netherlands, Germany, and France and offers exchange opportunities for its students as well.

School of Information Sciences, Manipal



Main Achievements

- In house centre for software development
- Study Abroad programs with ESIGELEC, ENSAI and Efrei, France, Group T, Belgium Lancaster, Edinburg Napier (UK)
- Industry supported labs

Major Activities

- Post-graduate programs in Medical Software, Embedded systems, Semiconductor Chip design, Virtualization and Big Data Science



Team Efrei

SOIS – Study Abroad Students

Inception: 1998; Courses: 9; Students: 333; Faculty: 25; Papers: 4;

School of Information Sciences is an industry facing graduate school offering programs in Medical Software, Embedded systems, Semiconductor Chip design, Virtualization and Big Data Science.



School of Allied Health Sciences, Manipal



Main Achievements

- 4 new UG Programs at Mangalore campus
- 17 new academic linkages internationally
- Comprehensive Stroke Rehabilitation and Research Centre
- Sports Science, Medicine and Research Centre



Major Activities

- First Health Professional Unit in (AHS) launched by FAIMER fellows
- Massive Open Online courses (MCOOs) with World Continuing Education Alliance



MoU with MCNV

Centre for Sports Science

Inception: 1999; Courses: 50; Students: 2203; Faculty: 146; Papers: 56; Grants:62.79

School of Allied Health Sciences is the second largest of the University's institutions. It is envisaged that there will soon be another School in Mangalore and a Faculty of Allied Health Sciences in Melaka.

School of Management, Manipal



Main Achievements

- Among top 25 schools in South India
- Designing unique programs of interest to facilitate student mobility

Major Activities

- Fostering Innovation in Financial Inclusion: Bridging Resources and Opportunities (FIFI 2017)
- Distribution for reuse of 3200 textbooks to the colleges of North Kanara District



George Washington University

FIFI 2017

Inception: 1999; Courses: 3; Students: 304; Faculty: 21; Papers: 14

School of Management has started a signature two country Global MBA Program that is proving to be very popular. The Indo German Centre for Applied Research and Academic Exchange is run out of the School of Management.

School of Life Sciences, Manipal



Main Achievements

- 7 Erasmus Mundus Scholarships
- Young Investigators award
- Young Scientist award
- DST-SERB Post Doctoral Fellowship

Major Activities

- Swachhata Pakhwada
- Campus Cleaning
- Sadbhavana Diwas
- Science Exhibition



Erasmus Mundus Fellows

Authors of Br J Cancer

Inception: 2006; Courses: 7; Students: 222; Faculty: 25; Papers: 39; Grants: 267.61

School of Life Sciences houses the TIFAC Centre of Excellence in Pharmacogenomics and has had several prestigious grants during the year. The School is leading the effort to establish a Bio-incubator in Manipal with funding from Government of Karnataka.

School of Regenerative Medicine



Main Achievements

- STEM 2017
- Inter College Quiz Competition
- Two provisional patent applications filed

Major Activities

- Stem Cell Banking; Tissue Engineering; Translational Research; Regenerative and Reparative Biology; Drug Screening Platform
- Courses offered: MSc; MPhil; PhD; PG Diploma



Stem Cell Banking

Human Trash to Treasure

Inception: 2007; Courses: 3; Students: 21; Faculty: 8; Grants: 74.21; Papers: 2

School of Regenerative Medicine in Bangalore works exclusively in the field of Stem Cells. The School had several faculty papers in high impact journals during the year.

Prasanna School of Public Health



Main Achievements

- Global Challenge Research Fund
- Erasmus Plus grant for student mobility
- New Colombo plan grant for student mobility

Major Activities

- Student exchange program - Maastricht University, Netherlands and McMaster University, Canada
- Student immersion program, University of Maryland, USA
- Global Health and Humanitarian Medicine Program



Global Health Students in Manipal for the 3M program

Inception: 2016; Courses: 4; Students: 230; Faculty: 12; Papers: 35; Grants: 19.42

I am pleased to announce the addition of a new institute – Prasanna School of Public Health, with Prof Helmut Brand as its Founder Director. PSPH has an international advisory council, several international partners and a symposium in April that attracts over 200 Global Health students from Maastricht and McMaster Universities.

Faculty of Architecture



Main Achievements

- Global Experience Scholarship - funded by the Australian government and Cheung Kong
- MU Center of sustainable built environment
- Virtual lab at FOA - A fully interactive simulations for students

Major Activities

- TOY "MAKE-A-THON" toy-making competition, in collaboration with Innovation Centre
- Inter-Cultural International Design Studio (iDiDe)



With Chetana Rao, FOA Alumnus

iDiDe

Inception: 2010; Courses: 3; Students: 784; Faculty: 71

The Faculty of Architecture, in collaboration with Deakin University, Australia, and Moratuwa University Sri Lanka has successfully conducted the first of the three proposed Studios in Colombo, the next one being planned in Manipal.



Manipal Centre for Natural Sciences

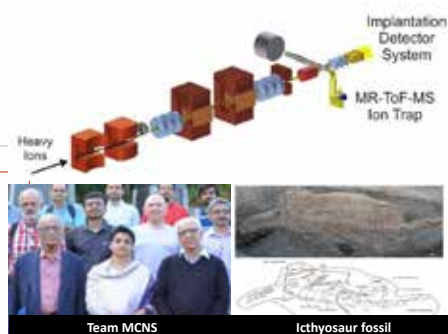


Main Achievements

- Palaeontology: Co-discovery of the 1st Indian Jurassic era ichthyosaur fossil in Kachchh region
- Particle physics: proposal of new experiment to measure fundamental properties of neutrinos

Major Activities

- Development of a table top accelerator for multi-disciplinary use with IUAC, New Delhi
- Design of next-generation detector system for the heaviest elements [MU-GSI-Giessen]



Manipal Centre for Natural Sciences has created a niche for itself in the fields of Paleontology, Astrophysics, and Earth Sciences. The Centre is one of the few in the world working on the theoretical aspects of Super Heavy Elements with experimental support coming in from partner laboratories in Germany, Romania, Poland, Italy, and Russia.

Manipal Centre for Philosophy and Humanities



Main Achievements

- New UG program – BA in Humanities
- Three new centres
- Hebbar Gallery and Art Centre
- Vyasaray Ballal Memorial Archive

Major Activities

- Writer-in-Residence program
- Artist-in-Residence program
- International Conference Tantra Studies, Rasa Theory
- Workshops - Vernacular Nationalism, Dalit Literature, Women and Intimacy Project



Inception: 2010; Courses: 05; Students: 67; Faculty: 09

Manipal Centre for Philosophy and Humanities is a Centre of Excellence. Started entirely as a Graduate School, this year we have introduced a unique undergraduate program with a wide choice of minors and electives. The Centre also houses the famous K K Hebbar Art Gallery and the Vyasaray Ballal library.

Manipal University, Dubai campus



Main Achievements

- Awarded the Best Sustainability Action Project 2016 by Environmental Agency
- Two Centres of Excellence: Robotics and Network and Entrepreneurship and Finance
- Funding 2016 – '17 was AED1.15 Million

Major Activities

- On campus hostels have been built
- Smart Classroom and Learning Management System
- All five Schools - annual research conferences



Inception: 2000; Courses: 39; Students: 2228; Faculty: 72

MU, Dubai is the best known of Indian Universities in Dubai International Academic City. We have recently added two student hostels for on campus housing. With the commencement of PhD programs, research is being encouraged and revitalized.

MU Technology Business Incubator



Achievements

- Total seed funding raised by incubator for start-ups – INR Rs 5.3 Cr (DST)
- Incubated startups promoted so far - 22

Activities

- Business plan competitions and Provenance

Notable Incubatees

- Add on Gyan Educational Services Pvt. Ltd
- Visint Health care (P) Ltd
- Dental innovations India Pvt. Ltd.
- Fracktal Works Pvt. Ltd.



Manipal University Technology Business Incubator provides services for its Faculty, alumni, and students as well as people of the region to start their own Venture, nurture entrepreneurship, create employment, develop products and build manufacturing capability in line with the social objectives of Government of India. Fracktal Works, a 3D printing and product development startup is a successful graduate from MUTBI. Two students of MU, Manipal, Saurish Reddy and Ankit Awal have developed an app called “Elixir Manipal” to facilitate students of the University to book an appointment with doctors. Their company is in the pre incubation space and is poised for an accelerated growth.

Manipal Academy of Banking, Bangalore



Achievements

- General Insurance – TATA AIG Insurance, Apollo Munich Health Insurance, Chola MS General Insurance; TAT AIA life
- Bank Partners: Canara Bank, India Bank, SBI

Activities

- Best practices in academic delivery
- Modular approach to learning
- Usage of live case lets and scenarios (repository of over 3000)
- Comprehensive quality assessment of delivery (CREATE)

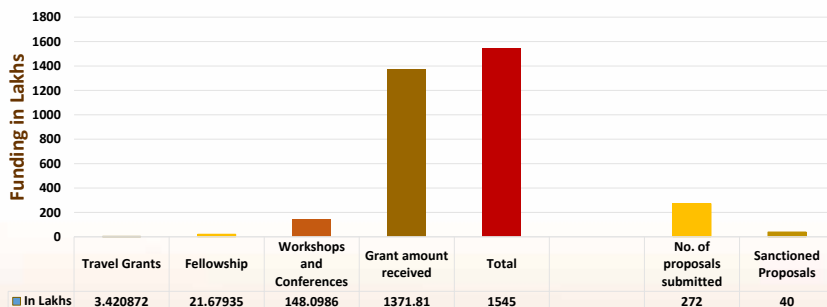


Manipal Academy of Banking is the fastest growing institute of the University. The proposed off campus in Bangalore will have MAB at its core with other disciplines layered around it.

Research Grants



Quantum of Research Grants - 6 Mo



Faculty have demonstrated remarkable industry in applying for research grants from funding agencies from India and outside. 2017 witnessed the largest number of applications from Manipal and the largest number of approvals in any given year. I foresee this trend to continue for the next two years as well.



Research Publications



Metrics	Manipal (2012 - '17)	India (2012 - '17)	World (2012 - '17)
International Collaboration (%)	17.0%	16.1%	18.40%
Academic-Corporate Collaboration (%)	2.2%	0.80%	1.60%
Field-Weighted Citation Impact	0.52	0.76	1
Outputs in Top Citation Percentiles (top 10%)	5.30%	8.20%	10.90%
Publications in Top 10 Journal Percentiles (SNIP)	8.2%	15.70%	24.8%
Citations per Publication	2.1	3.3	4.5

Directorate of Research had set a target of 2000 Scopus indexed publications during the year and we are all set to better it. We will soon be migrating from our insistence on Scopus based journals to those in the Web of Science.

Internationalization



The Office of the International Collaborations has established more than 350 unique agreements. The specific tasks for 2018 will be to deepen some of the existing relationships and secondly to selectively engage with top 100 Universities of the world.

Manipal's Global Connect



Antigua, West Indies



Dubai, UAE



GlobalNxt University, KL



Melaka, Malaysia



Pokhara, Nepal



Nilai, Malaysia



Manipal has planted bold foot prints in the ASEAN, West Asian, the Caribbean and the SAARC regions by investments in physical campuses. We also work closely with several international organizations and corporates.

m.i.l.a.p.

Manipal International Literature and Arts Platform

MANIPAL UNIVERSITY



Manipal University hosted first-of-its kind literature festival – Manipal International Literature and Arts Platform (MILAP), a delightful excuse to celebrate art in various forms – literary, performing, visual, and cinematic. The three-day Literature fest also included a mini film festival, an art exhibition, a book fair, and several outstanding performances. Encouraged by its success, we plan to make it an annual event every September.

Manipal Dialogue – A Prelude!

MANIPAL UNIVERSITY



We have launched ‘Manipal Dialogue,’ a lecture cum engagement series focusing on Foreign Policy, Healthcare, Education and Public Health. The inaugural lecture was delivered by Ambassador P S Raghavan, convener, National Security Advisory Board on, “India’s Foreign Policy in the Twenty First Century: From Non-Alignment to Multi-Alignment.”

VSO

MANIPAL UNIVERSITY



Rangat – Cultural Event

Students of Yakshagana Kendra



Invictus - Western Group Vocals



Teachers' Day Célébration

Students and faculty make the best use of platforms created for them to showcase their talent. Voluntary Services Organization of the University primes students to societal needs and I am proud of their commitment to and involvement in various service projects identified by them.

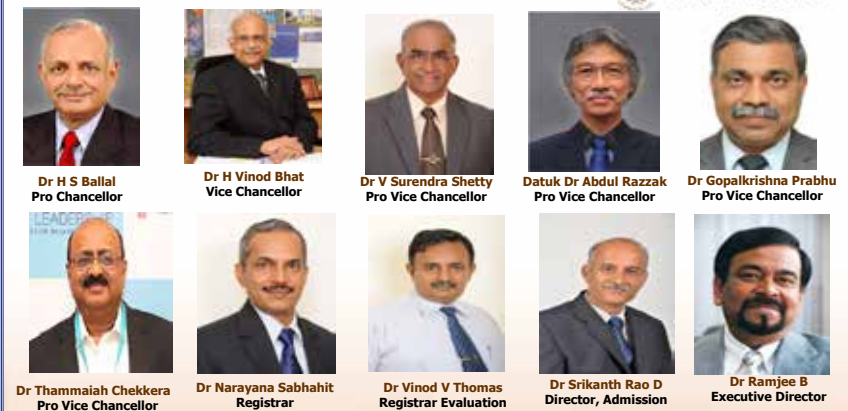


TED Talks



There were high visibility events this year like the TED Talks and interactions with some highly accomplished and distinguished individuals.

MU Leadership



I am fortunate to have the unconditional support of the Academic Senate, Board of Management, Finance Committee and the administrative and academic leaders of the University.

MU Directors



The heads of the University's functions and their teams have contributed immensely during the year in taking us higher. We expect the same level of commitment and assistance in the coming years as well.

MU Resource Development



Mr Rajen Padukone
Group President
Manipal Education and Medical Group



Mr Nishit Mohanty
Human Resource Officer
Manipal Global Education Services



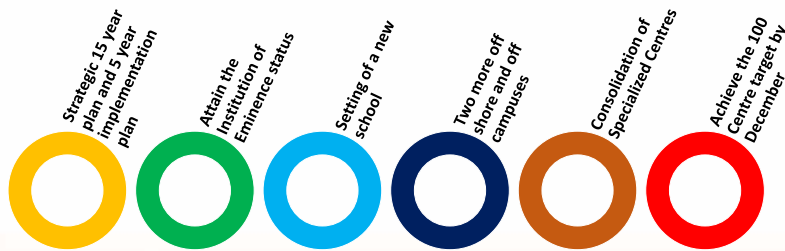
Mr Somnath Das
Officer on Special Duty
Manipal Education and Medical Group



Mr Jerry K Joseph
Dy Director
Human Resource Development

The external advisory groups, industry representatives on Boards of Studies and our own executives from Corporate Office have been of great help to me. We count on them for their assistance, guidance, and direction in the years to come.

Future Tasks



When we reflect on the first phase of the journey, we seem to have met most of our targets and reached all the milestones. From now on, it gets interesting and even exciting. We are aiming to be one of the ten private Universities in the country to be recognized as an Institution of Eminence, which is a part of Govt of India's agenda on Higher Education. We will be turning in the application two weeks from now. The application process for three more campuses has already started and we expect approvals in the next six to eight months. 2018 is a watershed year for Manipal. We will be celebrating the Silver Jubilee of the University through the year. The formal launch will be on 19 January and the concluding event will be with the Global Alumni meet on 21 December 2018, with high impact events planned every month.



In conclusion, I congratulate all the graduates and thank the parents for trust reposed in Manipal. I sincerely hope that we have met your expectations. Dr TMA Pai's spirit is still alive, the spirit of Manipal. The sun never sets in Manipal, for in Manipal the exuberance of youth is the vitality of every morning, their aspirations is the breeze and their achievements is what makes us lift our spirits to the sky and give thanks for being such wonderful graduates. Thank you.



Introduction of the Chief Guest



**Introduction of Chief Guest by
Mrs Parvadhavardhini G, Principal, Welcomgroup
Graduate School of Hotel Administration, MU,
Manipal**

Good evening ladies and gentlemen and my dear graduates, I take great honour, pride, and privilege in introducing our respected Chief Guest to this august gathering.

Mr Anand Sudarshan is Founder and Director, Sylvant Advisors Private Limited, which provides strategic advisory services in the education sector to Indian and Global institutions, large enterprises, and investors. Additionally, Sylvant incubates, invests in, and advises start-up and early stage companies. Mr Sudarshan is currently an independent non-executive director of NIIT Limited, the pioneer in education and training. He also serves on a number of renowned private company boards, as well as government committees on policy advisory in education.

Up to June 2012, Mr Sudarshan was Vice Chairman and Managing Director of Manipal Global Education (MaGE), with whom he had a distinguished career from May 2006. A pioneering global education entity headquartered out of Bangalore, MaGE is the largest higher education and related services entity out of India. Mr Sudarshan led the team that built MaGE through expanding its global footprint to six campuses, in addition to propelling it as

the definitive leader in technology-driven higher education out of India. Notable among the several milestones and achievements MaGE had during Mr Sudarshan's tenure, are new campuses in Malaysia, Dubai, Antigua, and India; an award-winning technology learning platform, EduNxt; a pioneering banking academy, among the largest of its kind in the world; and expansion of MaGE's multi-country footprint through organic and inorganic strategies. Post moving out of a full-time position, Anand served as an independent non-executive director of MaGE from July 2012 till September 2013.

Mr Sudarshan has been a recognized leader and think tank in the education sector for over a decade. He is an active member of Federation of Indian Chambers of Commerce and Industry's (FICC) national committee on Higher Education and School Education, and is the Chair of its national committee on Start-ups and Innovation. Mr Sudarshan is a trustee of Head Held High Foundation, which is undertaking seminal work in transforming rural poverty through empowering youth with low or no education through a dynamic combination of focus on training such youth, and creation of jobs through accelerating the rural economy.

Prior to his stint at MaGE, Mr Sudarshan was an entrepreneur and a senior executive at companies in the Information Technology industry, co-founding the Microland Group, and later driving Adea Solutions International.

Mr Sudarshan holds a Bachelor of Engineering (BE) degree in Electronics and Communications Engineering from the National Institute of Technology, Trichy, India, and a PGDM (MBA) from the Indian Institute of Management, Calcutta, India. Mr Sudarshan, his wife Padmashri, and their son Dhruva live in Bangalore, India.

Nevertheless, Dhruva is a student at the Welcomgroup Graduate School of Hotel Administration, and fondly asserts that his father is an avid reader of mystery and crime fiction novels, loves to listen to music of blues, Jazz, and rock, and is passionate about travel photography. Ladies and gentleman on this occasion I on behalf of all at MU, Manipal, wish Mr Sudharshan a very blessed and happy birthday, which he would be celebrating a couple of hours from now. With a huge round of applause over to you, Sir!

Convocation Address by the Chief Guest



**Mr Anand Sudarshan is Founder and Director,
Sylvant Advisors Private Limited**

It is a privilege and honour to be invited to speak to you dear students, on this memorable day in your life, when you graduate proudly and successfully out of the portals of this outstanding university, for most of you taking the first step into the world of your careers. My congratulations to each and every one of you!

And my congratulations are to the proud parents as well! Your daughter, who took her steps so many years back, is now taking her first step into her career; your son who spoke to you with childish enthusiasm so many years back, is now speaking confident words of a young to-be-professional. I share your pride and joy!

And to the faculty and teachers, my congratulations – what you do year-on-year, is to prepare young people to face their world and prepare them to potentially impact that world brick-by-brick, so that someday we will have a world with pure air, with peace and harmony, and with a sense of abundance.

Dear students, I believe it is into that world of abundance that you are setting out today. I was born in a generation that we beset with shortages of phones, of vehicles, of everything. We were focused on survival and predictability of income, we constrained our thinking. You, on the other hand,

are proud members of new India and new World. A world and a future for all the challenges it is facing – is one of the abundance: abundance of imagination, abundance of opportunities, abundance of choices, and abundance of creativity. It is a world that is for you to re-shape; for you to write the rules that will guide humanity into the next 100 years and beyond; and for you not to just survive – but to revive, thrive and live with joy.

It is also a future that has already started happening. And with a foundation that is very different from what we have seen over the last two decades and more. Social media has taken the world by storm and is changing every day societal rules. Global powers are getting rearranged so quickly and political frameworks are no longer getting constrained by the “cracies” and “isms” of yesterday; they are creating new ones. Yesterday’s heroes of Indian IT industry are being forced to re-invent quickly. Fossil fuel vehicles are beginning to be supplemented (and eventually replaced, perhaps) by electric cars and these cars are driving by themselves! With Aadhaar, India has executed quite remarkably what is perhaps the largest project of its kind ever in the history of mankind. Smartphones are now extensions of your hands and may be not for long, as wearable technologies, Mixed Reality technologies with augmented reality (AR) and virtual reality (VR), taking mainstage.

It is a brave new world, a future for you to bravely shape for yourself, and to thrive and succeed in ways different from our generation did.

As you step into this future, I thought I will share five suggestions that I believe will stand you in good stead. And be your companion traits as you shape your future and succeed in it.

First, be curious, imaginative, and creative: Being eternally curious is a trait that leads to constant wonderment of discovery, enriching your mind and heart. It leads to richer imagination and offers scope for you to be creative. What you imagine today forms the basis of a future that you create for yourself. It is a founding principle of design thinking applied to yourself. Take the example of Vaishali Neotia of Merxius - she exemplifies what Alan Alda said, “When you embark for strange places, do not leave any of yourself safely at the shore . . . Have the nerve to go into the unexplored territory.”



Be purposeful, true, and courageous: Purpose gives us the direction that we need to reach the stars. Being true to our values, gives us the tethering we require as we – and this happens to all of us – are in the danger of losing ourselves in the intensity of our quests. Never give up means never lose the anchoring to your values – your plans may not work sometimes, and that means you must change them; but never ever at the cost of changing your values. And to show courage irrespective of what the world is saying loud or swaying to. Courage to let go of what you have got used to; to learn something new, to acquire a new skill – because that will keep you going on your path. <Example of Mahatma Gandhi>

Be positive and joyous: Always remain positive for your future is yours alone to shape the way you want. In the cacophony of today's world – with the chatter of social media and constant peer pressure, it is easy at times to lose that smile in your countenance and song in our heart. Do not dent your edifice of confidence with the corrosive nature of comparisons – comparing yourself with someone else only serves to slow you down. Everyone's path is different; where they came from, and where they will go in the future. Be fulfilled at what you do always, but not content, so you can achieve a lot more. <Personal story>

Steve Jobs probably captured this best, when he said, “Don't let the noise of other's opinions drown out your own inner voice. And the most important, have the courage to follow your heart and intuition. They somehow already know what you truly want to become. Everything else is secondary.”

Be committed and resilient: Your life's journey is as much about discovery as about building your tough inner core. Be committed to that journey and bringing resilience to the game despite what the life throws at you. Being resilient in the ever-changing future to come is not an option – it is a necessity. And like what Sheryl Sandberg, the former COO of Facebook said, “Like a muscle, resilience can be built and strengthened.” <Kobe Bryant example>

Be both passionate and compassionate: Being passionate is what has made great people achieve their dreams. You learn much more from failures that can happen despite best-laid plans, rather than successes that happen accidentally. Passion keeps you going in the direction you would like to – while compassion (for the fellow man, the lives that you

live along with in this world, and for our planet) keeps you grounded.

David Brooks said this at his address to Dartmouth College graduates,

“You have to give to receive. Success leads to the greatest failure, which is arrogance and pride. Failure leads to the greatest success, which is humility and learning. In order to fulfil yourself, you have to forget yourself. In order to find yourself, you have to lose yourself.”

So, (a) Be curious, (b) Be purposeful and courageous, (c) Be positive, (d) Be resilient, and (e) Be passionate and compassionate – not too big a list I hope!

In your journey of life, keep your perspective – equanimity, and a balanced acceptance of what comes your way, definitely help. <Chinese Parable>

Italian proverb, “At the end of a chess game, both the king and pawn go into the same box.”

And in keeping your perspective, remember constantly all who have helped you thus far: Your family and loved ones, your friends, and your teachers. They have formed the bedrock – the bricks of your life's foundation.

My dear graduating students, I have stood long enough between you and your moment of joy. I wish you all the best in your lives. Go forth and conquer!

Thank you.



Presentation of memento by Dr H S Ballal, Pro Chancellor, Manipal University to the Chief Guest, Mr Anand Sudarshan, Founder and Director, Sylvant Advisors Private Limited

Conferring the Degrees



PhD Awards

Sl no	Name	Institutions
1	Yakkanti Raja Ratna Reddy	MU Research Centres
2	Leena Sequira	Manipal College of Nursing
3	Malathi G Nayak	Manipal College of Nursing
4	Muddukrishna B S	Manipal College of Pharmaceutical Sciences
5	A Muthukumar	Manipal College of Pharmaceutical Sciences
6	Jijo Lukose	Department of Atomic and Molecular Physics
7	Fiona Olvitta D Souza	Kasturba Medical College, Manipal
8	Lydia S Quadros	Kasturba Medical College, Manipal
9	G Rajesh	Manipal College of Dental Sciences, Mangalore
10	Chethan G H	Manipal College of Pharmaceutical Sciences
11	Zenab Attari	Manipal College of Pharmaceutical Sciences
12	Shubha H S	School of Communication
13	Benedict Christopher J	Manipal Institute of Technology
14	Raghu K S	School of Life Sciences
15	Samvit G Menon	Department of Atomic and Molecular Physics
16	Nagaraja B S	Department of Sciences
17	Devaraja H M	Manipal Centre for Natural Science
18	Sathe Gajanan Jalindranath	MU Research Centres
19	Ramyra Nair M T	Kasturba Medical College, Manipal
20	Kiran Kumar N	Kasturba Medical College, Manipal
21	Swapnil Jayant Dengle	Manipal College of Pharmaceutical Sciences
22	Kiran Avadhani	Manipal College of Pharmaceutical Sciences
23	Prateek Jain	Manipal College of Pharmaceutical Sciences
24	Renuka Suresh Managuli	Manipal College of Pharmaceutical Sciences



Dr TMA Pai Gold Medal

1	Ms Anushka Pharsi	Best outgoing BPharm graduate (Manipal College of Pharmaceutical Sciences)
2	Mr Anirban Paul	Best outgoing BA Journalism and Communication Studies graduate (School of Communication, Manipal)
3	Ms Shivangini Singh	Best outgoing BArch graduate (Faculty of Architecture, Manipal)
4	Ms Athmika Ramachandra	Best outgoing MA Communication postgraduate (School of Communication, Manipal)
5	Ms Pallavi Kamath	Best outgoing MBA postgraduate (School of Management, Manipal)

Super Speciality Postgraduate students – KMC, MU, Manipal

1	Dr M Sudhakar Rao	DM (Cardiology)
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Successful undergraduate students for the year 2017

Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
1	KMC	MBBS	315	333	648	219	292	511
2	MCODS	BDS	59	153	212	51	149	200
3	MMMC	MBBS	164	252	416	154	244	398
4	MMMC	BDS	17	50	67	17	49	66
5	MCON	BSc Nursing	6	99	105	5	90	95
6	MCON	PBBS-Nursing	--	12	12	0	11	11
7	MCOPS	B Pharm	59	61	120	41	43	84
8	MCOPS	Pharm D - Post Baccalaureate	--	2	2	0	2	2
9	SOAHS	BASLP	11	53	64	9	47	56
10	SOAHS	BHIA	6	8	14	5	7	12
11	SOAHS	BMIT	4	5	9	4	3	7
12	SOAHS	BMLT	11	29	40	8	21	29
13	SOAHS	BNMT	5	--	5	0	0	0
14	SOAHS	PGDNMT	6	7	13	5	5	10
15	SOAHS	BOPT	4	8	12	4	8	12
16	SOAHS	BOT	6	20	26	4	18	22
17	SOAHS	BPT	14	51	65	12	49	61
18	SOAHS	BSc CVT	5	19	24	2	17	19
19	SOAHS	BSc MRT	9	5	14	6	5	11
20	SOAHS	BSc PFT	5	9	14	5	9	14

Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
21	SOAHS	BSc RRT and DT	11	12	23	7	11	18
22	SOAHS	BSc RT	16	41	57	6	23	29
23	SOC	BAJC	66	87	153	41	67	108
24	SOC	BSc Animation	4	--	4	3	0	3
25	SOLS	BSc Biotechnology	7	21	28	7	21	28
26	MSAP	BA-ID	3	4	7	1	2	3
27	MSAP	BArch	87	95	182	68	83	151
28	MSAP	BArch ID	1	--	1	1	0	1
29	MSAP	B Design (FD)	--	2	2	0	2	2
30	DOC	BBM e - Banking and Finance	53	21	74	29	18	47
31	DOC	BBM - Financial Market	33	9	42	25	9	34
32	DOC	BBM - Professional	36	12	48	21	9	30
33	DOC	BBM - Logistics	31	8	39	22	6	28
34	WGSHA	BHM	47	15	62	47	15	62
35	Department of Culinary Arts	BA in Culinary Arts	25	24	49	20	23	43
36	MIT	Bio – Medical Engineering	15	15	30	13	15	28
37		Chemical Engineering	36	26	62	36	26	62
38		Civil Engineering	151	17	168	140	17	157
39		Computer Science and Engineering	166	54	220	164	53	217
40		Electrical and Electronics Engineering	119	30	149	107	30	137
41		Electronics and Communication Engineering	159	62	221	146	59	205
42		Industrial Production Engineering	43	12	55	37	12	49
43		Mechanical Engineering	238	9	247	216	8	224
44		Information Technology	82	31	113	74	29	103
45		Instrumentation and Control Engineering	46	28	74	43	25	68
46		Biotechnology	8	16	24	8	16	24
47		Mechatronics	72	3	75	68	3	71
48		Aeronautical Engineering	52	7	59	48	7	55
49		Automobile Engineering	53	2	55	46	2	48
50		Computer and Communication Engineering	81	22	103	76	22	98
51	Print and Media Technology	17	2	19	12	1	13	



Successful postgraduate students for the year 2017

Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
1	KMC	MD/MS/DIPLOMA	171	104	274	143	101	244
2	KMC	DM/MCh	11	3	14	11	3	14
3	KMC	MPhil - Psychiatric Social Work	1	5	6	1	5	6
4	KMC	MSc-Clinical Embryology	1	7	8	1	7	8
5	KMC	MSc-Genetic Counselling	--	2	2	0	2	2
6	KMC	MSc Medical Final (Marking)	16	24	40	12	19	31
7	KMC	MSc Medical (Credit)	8	55	63	8	52	60
8	MCODS	MDS	24	38	62	24	38	62
9	MCON	MPhil-Nursing	--	2	2	0	2	2
10	MCON	MSc-Nursing	2	22	24	2	22	24
11	MCOPS	M Pharm	54	42	96	54	42	96
12	MCOPS	Pharm D	16	16	32	16	16	32
13	SOAHS	MASLP	3	34	37	3	33	36
14	SOAHS	MHHIA	1	4	5	0	3	3
15	SOAHS	MMLT	5	3	8	5	3	8
16	SOAHS	MMRP	5	3	8	5	3	8
17	SOAHS	MNMT	3	2	5	2	2	4
18	SOAHS	MOT	3	6	9	3	6	9
19	SOAHS	MPhil Clinical Psychology	1	10	11	1	10	11
20	SOAHS	MPT	7	35	42	7	34	41
21	SOAHS	MRT	4	4	8	3	3	6
22	SOAHS	MSc Cardiac Catheterization and Interventional Technology	--	1	1	0	1	1
23	SOAHS	MSc Clinical Psychology	--	24	24	0	22	22
24	SOAHS	MSc Echo Cardiography	--	1	1	0	1	1
25	SOAHS	MSc Exercise and Sports Science	6	7	13	5	7	12
26	SOAHS	MSc HI (Healthcare IT Mgt)	--	5	5	0	5	5
27	SOAHS	MSc MIT	7	6	13	6	6	12
28	SOAHS	MSc Optometry	1	4	5	1	4	5
29	SOAHS	MSc Perfusion Technology	1	--	1	1	0	1
30	SOAHS	MSc RRT DT	3	--	3	3	0	3
31	SOAHS	MSc RRT DT (3 Year Program)	--	1	1	0	1	1
32	SOM	MBA	78	44	122	77	43	120
33	SOM	MBA (Global Business)	5	2	7	5	2	7
34	SOM	MBA - Healthcare Management	6	14	20	6	14	20
35	SOC	MA Media and Communication	13	28	41	12	28	40
36	SOC	Post Graduate Diploma in Corporate Communication	--	1	1	0	1	1
37	SOLS	MSc Bioinformatics	2	3	5	2	3	5
38	SOLS	MSc Molecular Biology and Human Genetics	5	9	14	5	9	14
39	SOLS	MSc Medical Biotechnology	5	10	15	5	10	15
40	SOLS	Post Graduate Diploma Program in Cellular and Molecular Diagnostics	5	14	19	5	14	19
41	SORM	MSc-Regenerative Medicine	1	6	7	1	6	7

Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
42	MSAP	Execuative MArch	5	9	14	4	6	10
43	MSAP	MA (ID)	1	5	6	1	4	5
44	MSAP	MArch -UDD	7	9	16	3	8	11
45	DAMP	MSc - Nanoscience	3	4	7	3	4	7
46	DAMP	MSc - Photonics	3	4	7	3	4	7
47	DOC	MCom -Logistics	54	36	90	51	36	87
48	DOC	Post Graduate Diploma in Logistics and Supply Chain	7	1	8	2	1	3
49	CIMR	Division of Ayurveda	3	7	10	3	7	10
50	CIMR	Division of Yoga	2	5	7	2	5	7
51	Dept Of Library-Sciences	MSc (Library and Information Science)	2	3	5	2	3	5
52	Prasanna School	MHA (Masters in Hospital Administration)	15	18	33	10	17	27
53	Prasanna School	MPH (Master of Public Health)	18	23	41	18	23	41
54	Prasanna School	MSW (Master of Social Work)	12	17	29	12	17	29
55	Dept Of Statistics	MSc Biostatistics	4	10	14	3	10	13
56	Department of Geopolitics and International Relations	Master of Arts in Geopolitics and International Relations	6	3	9	6	3	9
57	Manipal centre for Philosophy and Humanities	MA English	3	10	13	3	10	13
58	Manipal centre for Philosophy and Humanities	MA Philosophy	4	3	7	4	3	7
59	Manipal centre for Philosophy and Humanities	MA Sociology	2	3	5	2	3	5
60	Department of Sciences	MSc Chemistry	07	20	27	06	19	25
61	Department of Sciences	MSc Applied Mathematics and Computing	03	08	11	02	08	10
62	Department of Sciences	MSc Physics	16	19	35	15	19	34



Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
63	Department of Sciences	MSc Geology	02	01	03	02	01	03
64	School of Information Sciences	Master of Engineering - ME (Medical Software)	7	1	8	7	1	8
65		Master of Engineering - ME (VLSI Design)	19	13	32	19	13	32
66		Master of Engineering - ME (Embedded Systems)	22	19	41	22	19	41
67		Master of Engineering - ME(Embedded and Wireless Technology)	0	9	9	0	9	9
68		Master of Engineering - ME (Computing Technology and Virtualization)	2	2	4	2	2	4
69		Master of Engineering - ME (Automotive Embedded Systems)	1	0	1	1	0	1
70		Master of Engineering - ME (Embedded Systems and Instrumentation)	1	0	1	1	0	1
71		MSc Information Science	0	1	1	0	1	1
72		MSc Tech (Embedded Systems)	3	0	3	3	0	3
73		MSc Tech (Computing Technologies and Virtualization)	1	0	1	1	0	1
74	Department of Virus Research	MSc Clinical Virology	3	4	7	3	4	7
75	WGSHA (DAHS)	MSc in Dietetics and Applied Nutrition	2	40	42	2	40	42
76	WGSHA (DAHS)	MSc in Hospitality and Tourism Management	13	14	27	13	14	27
77	Department of Culinary Arts	Post Graduate diploma in culinary arts	7	6	13	7	6	13
78	Department of European Studies, Faculty of Humanities, Liberal Arts and Social Sciences, Manipal University	MA European Studies	3	8	11	2	8	10
79	MIT	Bio-Medical Engineering	1	13	14	1	13	14
80		Computer Science and Engineering	13	11	24	13	11	24
81		Construction Engineering and Management	12	6	18	10	6	16
82		Digital Electronics and Advanced Communication	20	5	25	20	3	23

Sl no	Institute	Courses	Appeared			Passed		
			Male	Female	Total	Male	Female	Total
83	MIT	Energy Management, Auditing, and Lighting	8	8	16	8	8	16
84		Engineering Management	14	4	18	14	4	18
85		Structural Engineering	20	5	25	20	5	25
86		Computer Aided Mechanical Design and Analysis	17	1	18	17	1	18
87		Control Systems	11	7	18	11	7	18
88		Manufacturing Engineering and Technology	17	1	18	17	1	18
89		Network Engineering	11	7	18	11	7	18
90		Software Engineering	6	12	18	6	12	18
91		Printing and Media Technology	3	0	3	1	0	1
92		Microelectronics	18	0	18	17	0	17
93		Power Electronic Systems and Control	13	4	17	13	4	17
94		Astronomy and Space Engineering	4	6	10	3	5	8
95		Industrial Bio -Technology	3	3	6	3	3	6
96		Computer Science and Information Security	11	7	18	11	7	18
97		Chemical Engineering	3	2	5	3	2	5
98		Environmental Engineering	10	8	18	10	8	18
99		Industrial Pollution Control	2	1	3	2	1	3
100		Advanced Thermal Power and Energy System	15	3	18	14	3	18
101		Master of Computer Applications	36	22	58	33	21	54
102		Industrial Automation and Robotics	14	2	16	14	2	16

Vote of Thanks



Dr Narayana Sabhahit, Registrar, Manipal University , Mani- pal

Distinguished dignitaries on and off the dais, ladies and gentlemen,

It gives me immense pleasure to express our acknowledgements on this very special occasion, 25th Convocation of MU, Manipal.

First of all, it is my pleasant duty to thank our Chief Guest of today's function, Mr Anand Sudarshan, Founder and Director, Sylvant Advisors.

Sir, your gracious presence and scholarly convocation address added luster to this important academic function of our University. We are all inspired by your great words. We sincerely thank you, Sir. I also acknowledge the presence of Mrs Padmashri Sudarshan.



Let me express my gratitude to our respected Chancellor, Dr Ramdas M Pai, for his leadership support and encouragement in all the activities of our University. We also thank Mrs Vasanti Pai, the first lady of the University, for her presence.

I also extend my thanks to Dr Ranjan R Pai, Chairman, MEMG, Bangalore, for his commitment to the growth of the University and for gracing the occasion. We thank all the members of Pai family for their support and presence here today.

Permit me to mention our appreciation to Pro Chancellor, Dr H S Ballal for his great efforts towards the growth of this University and conferring the degree to the graduates. I also thank, Mrs Indira Ballal for her presence.

Dear graduates, it is your day . . . You are the stars of this evening, I congratulate all the graduates, who have been conferred their degrees today and our best wishes to each one of you. Thank you very much for your presence in large number. Special thanks to all the parents, who have participated in this function and made our day a most memorable one.

We express our gratefulness to our Vice Chancellor, Dr Vinod Bhat, for strengthening the academic and research activities of our University and presenting the overview. I also thank, Mrs Parvathi Bhat for her presence.

Special thanks to Dr Poornima Baliga, Pro Vice Chancellor, Faculty of Health Science, MU, Manipal, for delivering welcome address.

We express our sincere gratitude to Pro Vice Chancellors of the University, Dr Abdul Razzak, Dr V Surendra Shetty, Dr G K Prabhu and Dr Thammaiah Chekkera for their presence and gracing the occasion.

We would like to express our sincere thanks to Mrs Parvadhavardhini Gopalakrishnan, Principal Welcomgroup Graduate School of Hotel Administration (WGSHA), for introducing our chief guest of today's function.

We offer our sincere thanks to Dr Vinod V Thomas, Registrar-Evaluation for highlighting the number of graduates in this 25th convocation of MU, Manipal and also for administrating the oath to the graduates.

Let me express my gratitude to Dr Suma Nair, Director Students Affairs for presenting the awardees of Gold Medals and Dr Shyamala Hande, Deputy Registrar, Health Science, for presenting PhD scholars.

We also recognize the presence of donors and well-wishers of Manipal and appreciate their unconditional support in the growth of all our institutions and thank them for their presence today.

We are happy to express our gratitude to members of Trust, Board of Management, Academic Senate, Board of Studies, Board of Examiners, faculty members, and officials from Manipal Group of Institutions, associated hospitals and organizations both from India and abroad for their support in the University activities and their presence today.

I also wish to place on record our thanks and appreciation to all the Heads of Institutions, Deputies, Heads of the Departments, University officials, faculty members, supporting staffs, student volunteers for their support, and presence.

All the members of press and electronic media richly deserve our special thanks for their presence in this ceremony. I thank them for their continued support.

Special thanks to our Master of Ceremony, Dr Aparna I N, Associate Dean, MCOADS, Manipal, and Mr Raghavendra Acharya and his team for their melodious invocation.

An event like this cannot happen overnight. The wheels start rolling few months ago. It requires planning and a bird's eye for details. We have been fortunate enough to be backed by a team of very motivated and dedicated colleagues of our University, who were responsible for the logistic support in conducting this event successfully. Thank you one and all.



Program Day 2

Date: 19 November 2017

Program Schedule

DAY 2

November 19, 2017
4:30 pm | KMC Greens

- Procession
- National Anthem
- Invocation – University Anthem
- Welcome Address
- Overview of Manipal University
- Introduction of Chief Guest
- Convocation Address
- Presentation of Memento
- Facts and Figures about Graduates
- Conferring the Degree
- Administration of Oath
- Award of Gold Medal
- Award to PhD Scholars
- Vote of Thanks
- Presentation of Graduates

Note:
Please occupy your seat 30 minutes before the function
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**MANIPAL
UNIVERSITY**

Deemed to be University under Section 3 of the UGC Act 1956

cordially invites you to the

25th CONVOCATION

DAY 2

Sunday

November 19, 2017

4:30 pm – 8:00 pm | KMC Greens, Manipal

DAY 2

Chief Guest: **Mr Sandeep Kumar Maini**
Chairman, Maini Group, Bengaluru

Dr H Vinod Bhat
Vice Chancellor

Dr H S Ballal
Pro Chancellor

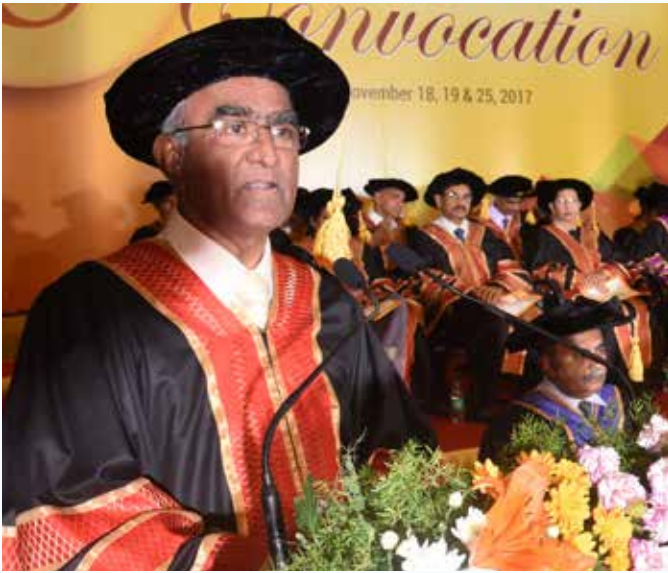
Dr Ramdas M Pai
Chancellor

Convocation Procession



The Convocation began with the University Anthem (Invocation)

Welcome Address



**Dr V Surendra Shetty, Pro Vice Chancellor,
Manipal University delivering the welcome
address**

Chief Guest of the evening Mr Sandeep Kumar Maini, Chairman Maini Group, Pro Chancellor Dr H S Ballal, Vice Chancellor Dr H Vinod Bhat, Pro Vice Chancellors – Datuk Dr Abdul Razzak, Dr Poornima Baliga, Dr G K Prabhu, Registrar Dr Narayana Sabhahit, Registrar Evaluation Dr Vinod Thomas, Heads of Institutions, Director Student Affairs, Dr Suma Nair, faculty members, distinguished invitees, parents of degree awardees, graduates, post graduates, and post-doctoral fellows, members of the press and the media, ladies and gentlemen,

I deem it a privilege to welcome this galaxy of eminent persons, scholars, graduates, faculty, and invitees present here at the 25th convocation ceremony of the MU, Manipal.

The MU, Manipal stands in its glory here today because of the visionary Dr TMA Pai, who was the founder of the Manipal Group of Institutions. Dr Ramdas M Pai followed his father's footsteps and converted a local University into a global educational village of great status.

Universities are the cradles of new ideas and the crucible in which they are annealed through scrutiny and study, before they are unveiled to the world as new paradigms for progress. Our graduates, I am sure, are well equipped to stand up to these

challenges and make a success of their profession.

On this eventful occasion of the 25th Convocation of the MU, Manipal, I have great pleasure in welcoming our esteemed Chief Guest Mr Sandeep Kumar Maini, Chairman Maini Group. I extend a hearty welcome to you, Sir.

It is my pleasure to offer a joyful welcome to Mrs Gitanjali Maini.

It gives me immense pleasure to welcome our Pro Chancellor Dr H S Ballal, whose astute stewardship has been the guiding force of the MU, Manipal. To you Sir, I extend a delightful welcome. A respectful welcome to Mrs Indira Ballal!

Our Vice Chancellor Dr H Vinod Bhat, his leadership and dedication has been pivotal in MU, Manipal becoming an 'A' grade University. I extend a pleasant welcome to you, Sir. A cordial welcome to Dr Mrs Parvathi Bhat!

A warm welcome to our Pro Vice Chancellors Datuk Dr Abdul Razzak, Dr Poornima Baliga Dr G K Prabhu and Registrar Dr Narayana Sabhahit, Registrar Evaluation Dr Vinod Thomas, and Director Student Affairs Dr Suma Nair.

I offer a whole-hearted welcome to Mrs Vasanthi R Pai, the first lady of our University. I recognize the presence of Dr Ranjan R Pai, Chairman, Manipal Education and Medical group. I extend a glad welcome to him and Mrs Shruthi R Pai.

Welcome and thanks to members of Pai family, who have made it convenient to grace the event!

I welcome the members of the Board of Management, Academic Senate and Finance Committee, who monitor and ensure constant and consistent progress in the activities of MU, Manipal.

Our well-wishers, donors, the elite of Manipal, Udupi, Mangalore, and Senior District officials have made us happy with their presence here and I welcome all of them.

The Manipal team consisting of the Heads of Institutions, the faculty members, the officers of the University, and all the supporting staff, who continued to play a dynamic role in carrying forward

the vision of MU, Manipal; my hearty welcome to all those, who are present here today, on this occasion!

The members of the press and the media have been pro-active in highlighting our many achievements and showcasing our ideals, vision, and goals. Hearty welcome to all of them, who have responded to our invitation!

It is a great day for the parents of graduates and post-graduates, who are to receive their degrees today. I extend a warm welcome to all of them, who have come in large numbers to share the joy of this occasion.

Special welcome to the most important people of this Convocation that is the graduates, the post graduates and post-doctoral fellows, who are here to receive their degrees today! My dear young

graduates, as you are graduating today, I want you to think like leaders in your chosen field, while the ordinary look at the obvious, a leader looks beyond the obvious. I want you to see the extraordinary in everything. What you can conceive in your mind, believe in your heart, you can achieve with your efforts. Nothing is impossible in this world. It is just the degree of difficulty. Live your life in a way you would be proud of.

My congratulations to all of you, I wish you very best in your journey forward and hope that you will make a substantial contribution not only to yourself, but also to your family, your profession, your community, to the nation, and the world at large.

Good luck!

Overview of the University

Dr Poornima Baliga B, Pro Vice Chancellor, Faculty of Health Sciences, Manipal University , presented an overview of the University

Introduction of the Chief Guest



Introduction of the Chief Guest by Dr G K Prabhu, Director, Manipal Institute of Technology, MU, Manipal

Distinguished guests and students,

MU, Manipal has grown by leaps and bounds and is known for brand Manipal, a name for quality graduates, who have proved their mettle as leaders

across various segments - be it industry, education, research, entrepreneurship, or social reformation. A number of them have contributed positively to the nation's progress and economy.

I stand before you to introduce one such personality, MIT's proud alumnus, Mr Sandeep Kumar Maini, Chairman of Maini Group.

Sandeep, an Industrial and Production Engineering graduate of 1989 batch, is one of the brightest students of MIT, Manipal. True to his caliber, he was the best outgoing student of his batch, and was awarded with Dr TMA Pai Gold Medal. He was the topper in the University (affiliated to Mangalore University then), and was also a recipient of the Blue Ribbon for the best student in Industrial Production Engineering branch.

Soon after his graduation, he took up an advanced training for six months at Brodrene Vestergaard, Denmark, in Design, Production, and Marketing of Material handling equipment. On his return in



1990, he joined as a Technical Manager at the Maini Materials Movement Group, and went on to become the Managing Director in 1995.

In his role as MD and entrepreneurial head, he introduced a number of initiatives that included indigenization of all products and creation of new facilities for expansion. He broadened his company by setting up an All-India Sales Marketing and Service Network.

Under his leadership, Maini Materials Movement Group became the first company in India to introduce the concept of Total Solutions and Complete Customer Care in Material Handling. His belief in striving for excellence made his company to reach new heights by engaging in a series of innovative moves. In 1992, Maini Materials Movement became the pioneer of Dock-Levelers manufacturing in India in collaboration with Blue Giant of Canada. In 2006, the company formed a joint venture (JV) with Armes Spa, Italy to manufacture storage systems in India. In 2010, it signed a strategic alliance with Nacco Material Handling Group for manufacture of Yale brand of forklifts in India. These initiatives were instrumental in making his company, the leading material handling brand in India.

In 2007, Sandeep took over as the Chairman of the Maini Group. The Group consists of companies that have domestic and international operations in the fields of Automotive and Aerospace, Plastics and Composites, Material Handling, Warehousing, Storage Systems, and Electric Vehicles.

Mr Sandeep is actively involved in corporate social responsibility activities as a trustee of Gramothan Foundation, a unit of Maini Group. The group is also the founder promoter of REVA, India's first electric car. Mr Sandeep was the Chairman of Reva Electric Car Company from 2007- 2010 and was on the board of Mahindra Reva Electric Vehicles till November 2016.

Apart from being a successful entrepreneur, Sandeep Maini has played an active leadership role in industry and international organizations. He has been active member of Confederation of Indian Industry (CII) as the Founder Chairman of Young Indians - Bangalore Chapter 2004 -2006, Elected Member - Karnataka State Council and Southern Regional Council (2009 - 2012), Vice Chairman - Karnataka State Council 2013-14 and Chairman - Karnataka State Council 2014 - 2015.

He also served the Young Presidents Organization (YPO) as Membership Officer - Regional Board - South Asia 2012 - 2014, Regional Chair for South Asia 2014 - 16, and Member - International Membership Committee 2014 - 2016.

It is certainly heartening to see the growth of our alumnus into a successful entrepreneur, who envisaged the idea of "Make in India" as early as 1990.

Ladies and gentlemen, being as Director of MIT, it is really a proud moment for me to present before you, one of our distinguished alumni, Mr Sandeep Kumar Maini, Chairman of Maini Group as the Chief Guest of today's convocation ceremony. Thank you.



Convocation Address by the Chief Guest



**Convocation Address by Mr Sandeep Kumar Maini,
Chairman, Maini Group**

Dr H S Ballal, Pro Chancellor; Dr H Vinod Bhat, Vice Chancellor; Dr G K Prabhu, Pro Vice Chancellor, Faculty of Technology and Mgmt; Dr Poornima Baliga B, Pro Vice Chancellor, Faculty of Health Science; Datuk Dr Abdul Razzak M S, Pro Vice Chancellor; Dr V Surendra Shetty, Pro Vice Chancellor; Dr Narayana Sabhahit, Registrar; Dr Vinod V Thomas, Registrar Evaluation; Dr Suma Nair, Director Student Affairs; Master of Ceremony, Dr Anil K Bhat, Head, Dept of Orthopaedics, KMC, Manipal -

Eminent dignitaries on the stage and in the audience, respected Professors', respected parents, ladies and gentlemen, and my dear young friends of the class of 2017.

Good evening to all!

I sincerely appreciate this opportunity to address all of you on this occasion, which marks an entry into a new stage of life and being. However, I must admit to you that I find this more challenging than most of the talks I have given at the industry and business meets.

I still remember my graduation day. All of us friends used to discuss how we will now be subject to a long preachy lecture and prepared ourselves for the ordeal. Such is the cycle of life that it has today placed me in a situation, where I now have to

empathize with that chief guest! So, first, I am going to keep this short, and second, try to channel my life and work experiences into something meaningful that might actually stick with you a little while longer after I finish.

It is an emotional day for me. The honour and privilege given to me today as an alumnus to address this esteemed gathering at MU, Manipal, is one that I will cherish dearly all my life. These are moments that make life meaningful. Thank You.

I look back to the day in August 1985, when I took a bus from Bangalore to a place I had never been before, but only heard of . . . Manipal . . . little realizing that it would be the best experience of my life and my home for the next four years. A place that would teach me so much and make me confident and capable to handle what lay ahead of me. Most importantly, I made my best friends here. Friends, who over the time are now family!

This is the greatness of Manipal and the educational institutions here. I am so proud and so should you be to have spent time studying at this University.

I made a brief visit to Manipal last year and was amazed and delighted at the changes that had taken place over the years in terms of infrastructure, facilities, curriculum . . ., but it has still retained the buzz of what I remember, a wonderful, hospitable, warm and humble community that is a great leveller on a common platform for providing an enjoyable and holistic experience in education and life.

I could go on endlessly on the learnings from this great college. However, I would like to restrict myself to just three that have helped me both personally and professionally over the years.

1. The greatest learning came from its diversity in students, teachers, society, traditions, and cultures and how it unified all of us through its unique ethos and value systems that were put in place by the founder Dr TMA Pai. Regardless of my upbringing pre-Manipal, I left with a true sense of respect, understanding, and recognition of the range of people in our vast country.

2. It is here that I understood what leadership truly is. To me, it is the ability to find a consensus among a diverse group of peers towards a common objective. At MIT, we had students from all over the country; each came with strong views of their own with an ego to match. One learnt to be able to understand each one's point of view, respect the same, and



move ahead as a team keeping the overall objective in mind. You will face the same situation in your life post Manipal as I have. This has been one of my biggest assets in my professional and personal life.

3. Being non - judgmental: As human beings, we are naturally inclined to comment on people, be it their way of speaking, dressing, or behaving even before we get to know them. In the process, we lose out on opportunities to connect with people, who could have been truly valuable to us. MIT provided this opportunity to me especially in the first year, where we had a certain dress code and were together always due to the process of initiation by the seniors that existed at that time. This made one realize that there is more to a person than just what one sees. I feel blessed today, when I look around at my large friends and well-wishers, who have been there for me and my family like rocks through the ups and downs of life.

What is my perception of the two key changes in the world over the next decade, a time when I hope you will be active making a positive change in this world.

1. Clearly Internet of Things (IOT) and automation will take over a large part of how we live, work, commute, and engage. My learning curve on this will probably be slower than yours. Like all technologies and innovation, this will have a both positive and negative impact, while being disruptive. You all will have a key role to play in understanding the negative impacts and finding the right solutions to mitigate this. As a society, we are less sensitive to the fall outs and which in reality affect our future generations. I believe that you all have a role to play in leaving this world in a better place that you have been given.

2. The concept of resource sharing from a convenience and economy point of view. We have seen initial glimpses of this with UBER, OYO, WeWork, and many such forms of shared economy. You will experience a higher level of disruption in the years to come. However, I strongly feel that the true benefit will accrue to society as a whole, if this can be translated into synergy. To my mind synergy is the coming together of people, communities, and countries to make a positive change.

Because of these changes on the horizon, the youth of the future will have tremendous power in their hands to make a difference. Any guesses as to where the largest populations of youth in this world are . . . India! We are the youngest country in the world and will be so for many years to come. So, my young friends, you now know who will wield this power in

the years to come . . . YOU!

For those who are fans of Spider-Man you will recall that “With Great Power come Great Responsibility.” So, I guess you have your work cut out. This tremendous power and potential of the youth if channelized positively and cohesively can change the destiny of our nation and the World in the years to come. We can chart a course of progress be it political, social, economic, or spiritual.

Friends, the next decade belongs to India. We will have only ourselves to blame, if we do not make good use of this opportunity. Use this opportunity to fulfill your dreams, work hard and passionately and nurture your ambitions. This is the time to do things differently, innovate and pioneer, take calculated risks and enjoy the experience while learning.

The *Bhagavad Gita* mentions that one must work hard with passion without worrying too much of the results, but concentrating on the process. The results will follow.

But while doing so, do not forget your values. India is a country rich in family, social, cultural, and moral values. Unfortunately, the lure for material pleasures and power have dented this fabric of our country. This is evident with what is happening around us in recent times. We are the youngest country in the world and have the power of youth. This country will go the way you take it. You can and should play a pivotal role in restoring India’s glory from a values perspective. In your quest for success and growth, please remember to uphold the values and ethics that were once our foundation and our society badly needs these. Spread the message among your teams, companies, and communities and play your role of restoring values. Research clearly shows that companies and institutions with higher corporate integrity have been more successful than those that give less importance to values.

The years between 25-40 in our working life feel very hectic and pass by quite quickly. It is when work, marriage, family take over and we are struggling to find the right balance. During this period, physical health and well-being takes a back seat and relegated to the lowest priority. Keep a check on this as you go along and ensure that taking time off to give health and exercise a priority. This will ensure that you are mentally alert and stress free to be successful both professionally and personally and enable you to lead a balanced and fun life.

I realized this later in life and hence would like to share my personal experience. I went for my first

ever health check-up at the age of 40. The results were alarming and made me think seriously on what my priorities in life should be. I started a health regime that I could sustain as I grow. This involved exercising five days a week, maintaining a healthy routine on what I eat and when I eat (interspersed with days of indulgence) and having quality time to myself to relax and pursue what I enjoy. While it was tough initially, it became a part of my routine over time. It is said that to establish a routine, one must persevere without compromise for 21 days. I recommend starting this as early as possible.

Finally, something that has helped me tremendously especially in the last 15 years is periodic self-reflection. I started this quite late and wished I had done so much earlier. Spending quality time on reflecting on one self helps us to course correct, be it personal, family or work related. One can do this through meditation, journaling, speaking to mentors, or whatever works for you. To me, having a mentor proved to be very valuable. It helped me to reflect in an organized manner and continuously learn about myself and the way I should be.

So, while you have worked hard, upheld your values and looked after your health, you would I assume have become successful and materially comfortable. Here, keep one thing in mind . . . what can I give back to my society and country. There is a large gap in our country and society needs us to assist and create an atmosphere of growth for all. Today companies call it corporate social responsibility (CSR) and it has become a buzz word. The wealthy across the world have committed a large portion of their wealth for this purpose.

I believe in PSR . . . personal social responsibility . . . we start early, start small by committing resources that we can in terms of time, personal efforts, and finances. It goes a long way in making a big difference.

Mahatma Gandhi is known to have said, “Be the change you want to see.” Choose an issue that you are passionate about. It could be environment, education, rural development, civic responsibility or maybe even cleanliness. Work within the community to lead or be part of initiatives that can make a difference. Volunteering your time outside of your professional and family responsibilities besides bringing about the change you want to see, gives a great feeling of satisfaction and contentment.

I would like to end by saying that happiness and contentment is what we all finally would like to achieve. These are relative terms and differ based on our personalities. I have learnt over time that we

learn from experiences around us but chisel away to become better versions of ourselves, since each of us is unique in our own way.

When my father retired, I asked him what was his objective in life. He encapsulated beautifully by saying, “a good night’s sleep.” He would like to sleep the moment his head touched the pillow. At first, this seemed pretty selfish to me. He then clarified that this is achievable if you believe that you have worked hard, not compromised on your values, been fair to all whom you have dealt with and given back to society in your own way.

These have been my learnings.

So, Class of 2017 - you belong to an extremely fortunate lot in this India, a lot that has had the privilege of an excellent education and a sound foundation with a great set of values. Stick close to these all your life because they will hold you in good stead in your travails of the future. This has been possible due to the untiring efforts of your parents and teachers. No amount of appreciation for them is enough. I would request all the students here to give a hearty round of applause to your parents and teachers. Accompany this with a prayer in your hearts for them and a commitment to yourself that you will uphold the values and teachings that they have imparted to you.

I would also like to take this opportunity today to thank my teachers and professors at MIT, who have helped shape my life and career. Thank You.

Good luck for the future and God bless!



Presentation of memento by Dr H S Ballal, Pro-Chancellor Manipal University to the Chief Guest Mr Sandeep Kumar Maini, Chairman of Maini Group



PhD Awards

Sl no	Name	Institutions
1	Potti Srinivasa Rao	Manipal Institute of Technology
2	Narendra V G	Manipal Institute of Technology
3	Binu K G	Manipal Institute of Technology
4	Karthik Babu S	School of Allied Health Sciences
5	Santhosha Rao	Manipal Institute of Technology
6	Chandrakala C B	Manipal Institute of Technology
7	Muhammed Mubeen	Manipal College of Pharmaceutical Sciences
8	Arun Chandra Mudhol	MU Research Centres
9	Gune Minal Milind	Manipal Institute of Technology
10	Surekha Devadasa Shetty	Melaka Manipal Medical College (Manipal Campus)
11	B V Anoop	School of Regenerative Medicine
12	Shubhashree U	Kasturba Medical College, Manipal
13	Saraswati Yadav	Kasturba Medical College, Mangalore
14	Mitha K V	Kasturba Medical College, Mangalore
15	Sampath Kumar	Manipal Institute of Technology
16	Rajarshi Paul	Manipal Institute of Technology
17	Manjunath K N	Manipal Institute of Technology
18	Asha V	Melaka Manipal Medical College (Manipal Campus)
19	Kavina Ganapathy K	School of Regenerative Medicine
20	Seena K X	Manipal College of Pharmaceutical Sciences
21	Archana G	School of Allied Health Sciences
22	Gunjawate Dhanshree Rajesh	School of Allied Health Sciences
23	Abitha Thomas	School of Life Sciences

Dr TMA Pai Gold Medal

1	Ms Sharal Niveditha D S A	Best outgoing BSc Nursing graduate (Manipal College of Nursing, Manipal)
2	Ms Anisha Mariam Daniel	Best outgoing graduate student of Allied Health Sciences (School of Allied Health Sciences, Manipal)
3	Ms Vaishali Todi	Best outgoing BSc Biotechnology graduate (School of Life Sciences, Manipal)
4	Ms Tejaswini M S	Best outgoing ME Embedded Systems postgraduate (School of Information Sciences, Manipal)
5	Mr Umanshu Dhingra	Best outgoing M Pharm postgraduate (Manipal College of Pharmaceutical Sciences)

Super Speciality Postgraduate students – KMC, MU, Manipal

1	Dr Ajay Hegde	MCh (Neuro Surgery)
2	Dr Harsha Acharya	MCh (Paediatric Surgery)

Vote of Thanks



Dr B Rajashekar, Dean, School of Allied Health Sciences, MU, Manipal

Honourable Pro Chancellor, MU, Manipal, Chief Guest, Vice Chancellor, Pro Vice Chancellors, Registrar, Registrar (Evaluation), HOIs, our most valued invited guests, graduates, and parents, it is my privilege to propose the vote of thanks on this occasion. At the outset, I wish to express our heartfelt gratitude to Mr Sandeep Kumar Maini, Executive Director, Maini Precision Products Ltd., Bangalore for accepting our invitation to be the Chief Guest and sharing invaluable insights from his extensive corporate experience with the graduates. We wish to also thank Mrs Gitanjali Maini for her presence. Thanks to our Chancellor Dr Ramadas Pai, Mrs Vasanthi Pai, and Dr Ranjan Pai, Chairman, MEMG, Bangalore for their constant support. Our gratitude to our Pro Chancellor, Dr H S Ballal for presiding, conferring the degrees, and presenting the memento to our Chief Guest! Thank you, Sir. We thank Mrs Indira Ballal for her presence. Our thanks are also due to our Vice Chancellor, Dr H Vinod Bhat for his thrust in the arena of research and putting our University on to the Global ranking platform. We thank Dr Parvathi Bhat for her presence. We thank our Pro Vice Chancellors, Dr V Surendra Shetty for his welcome address, Dr Poornima Baliga, for her overview of the MU, Manipal, and Dr G K Prabhu, for introduction of the Chief Guest. Our thanks are also due to Datuk Abdul Razzak, Pro Vice Chancellor, Malacca, Dr Narayana Sabhahit, Registrar, Dr Vinod Thomas, Registrar, Evaluation for their support and presence. We wish to place on record our gratitude to Dr Suma Nair, Director, Students Affairs for presenting the awardees of Gold Medals,

Dr Preetham Kumar, Deputy Registrar, Academics (Technical) for presenting the PhD scholars, Dr Yeshwanth Rao, Deputy Registrar, evaluation for his presentation of facts and figures about the graduates, Dr Madhukar Mallya, Deputy Registrar, Evaluation for administration of oath, Dr Anil Bhat, Head, Dept of Orthopaedics, KMC, for compering the program and Shri Raghavendra Acharya and team for rendering the University anthem. I take this opportunity to thank the members of our trust, Board of Management, Academic Senate, Board of Studies, Board of Examiners, and donors for their support, valuable contribution to the University and their presence. To the members of the press and electronic media, you have always supported and ensured a wide coverage of our activities, a sincere thank you for that. I wish to place on record our gratitude to the Heads of Institutions for presentation of their graduates today for the honour. I take this opportunity to extend our thanks to the MU, Manipal Admin team comprising of Director General Services, Director of Purchase, Chief Security Officer, Chief Wardens, Estate officer, Publicity, Public Relations, and their team for their support in the smooth conduct of this mammoth event. Thanks to Dr Srikanth Rao, Director of Admissions and Chairman, Committee for Venue and Seating Arrangement and his team for the meticulous planning and precision. We also express our gratitude to those, who have supported us behind the scenes; the administrative and support staff. Not to forget the host of institutional coordinators, members of University VSO, technical staff in charge of stage setting, lighting, and photography - your support is greatly appreciated. I take this opportunity to extend our most sincere thanks to all our invited guests, who have come from far and wide. Thank you for being here today to share in our joy! We cannot forget our teaching staff, who through hard work and determination managed to produce students worthy of the awards given out today. In this regard, I would like to thank the HOIs Deans, Directors, Principals, Heads of Departments, Faculty members, and office staffs for their key role in the "production" of a graduate. To the graduating students of 2017 - thank you for giving us this proud moment. Thanks, especially to the parents and family members for your presence. Ladies and gentlemen, once again I want to state that we are all most grateful to all of you. We thank you for being with us this evening - it has been a great pleasure.

Thank you very much!

Program Day 3

Date: 25 November 2017

Program Schedule

DAY 3

November 25, 2017
4.30 pm | KMC Greens

- Procession
- Invocation – University Anthem
- Welcome Address
- Overview of Manipal University
- Introduction of Chief Guest
- Convocation Address
- Presentation of Memento
- Facts and Figures about Graduates
- Conferring the Degree
- Administration of Oath
- Award of Gold Medal
- Award to PhD Scholars
- Vote of Thanks
- Presentation of Graduates
- Declaration to close Convocation
- National Anthem

Note:
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For live webcast please visit <http://www.manipal.edu>
RSVP: 0820 2822330 or pro@manipal.edu



**MANIPAL
UNIVERSITY**

Deemed to be University under Section 3 of the UGC Act 1956

cordially invites you to the

25th CONVOCATION

DAY 3
Saturday
November 25, 2017

4.30 pm – 8.00 pm | KMC Greens, Manipal

DAY 3

Chief Guest: Dr Ashok Jhunjhunwala
Principal Advisor, Ministry of Power and New & Renewable Energy
Government of India, New Delhi

Dr H Vinod Bhat
Vice Chancellor

Dr H S Ballal
Pro Chancellor

Dr Ramdas M Pai
Chancellor

Convocation Procession



The Convocation began with the University Anthem (Invocation)

Welcome Address



Dr Pragna Rao, Dean, Kasturba Medical College, MU, Manipal, delivering the welcome address

Good evening, ladies and gentlemen, welcome to the 25th Convocation of the Manipal University, the University which is inspired by life and the crucible, where future global leaders are created.

Chief Guest of this evening (1) Dr Ashok Jhunjunwala, former Principal Advisor, Ministry of Power and New and Renewable Energy, Govt of India, (2) Pro Chancellor Dr H S Ballal, (3) Vice chancellor Dr H Vinod Bhat, (4) the first Lady of Manipal, madam Mrs Vasanthi Pai, (5) Mrs Indira Ballal, (6) Dr (Mrs) Parvathi Bhat, Pro Vice chancellors Dr Surendra Shetty, Dr Poornima Baliga, and Dr G K Prabhu, Registrar Dr Narayan Sabhahit, Registrar Evaluation Dr Vinod Thomas, Director Student Affairs Dr Suma Nair, Deputy registrars Dr Shyamala Hande and Dr Preetham Kumar, Heads of Constituent institutions of MU, Administrators, Faculty members, distinguished invitees, parents of degree awardees, graduates, and post graduate students!

On this exquisite and beautiful campus, where the mood today is one of solemn and joyful celebration, the Convocation ceremony is the point of culmination of the success of our educational programs. It is a tribute to the core values of the MU, excellence, leadership, professionalism, ethics, and respect for

diversity, which has ensured that Manipal remains as one of the most favored destinations for students.

(I) Ladies and gentlemen, we are honoured to have amidst us, an entrepreneur who is known as “The Man Who Launched 100 Start Ups,” a visionary who seeks to gift the power of a computer to the hands of every student in the country, a man who has remained true to the Gandhian ideology and values of his family, ladies and gentlemen, with the greatest respect and adulation, we offer a warm welcome to Dr Ashok Jhunjunwala, the Chief Guest for today’s convocation.

(II) To the ever smiling and benevolent visionary, who leads us with gentleness and patience, the Pro Chancellor of MU, Dr H S Ballal, we offer a warm and cordial welcome.

(III) To the Vice Chancellor Dr H Vinod Bhat, whose dynamism inspires us to remember that excellence is always work in progress and that we must constantly consolidate our triumphs and benchmark MU with the best in the world, we offer a whole hearted welcome.

(IV) Madam, Mrs Vasanthi Pai, it is an honour and pleasure to have you in our midst today. A very warm and sincere welcome to you, Madam.

(V) Madam Indira Ballal, we are delighted to welcome you this evening.

(VI) Dr Parvathi Bhat, we are very happy you could join us this evening, welcome, Madam.

To our three ever green, ever energetic, and ever committed Pro Vice chancellors Dr Surendra Shetty, Dr Poornima Baliga, and Dr G K Prabhu, we offer a gladsome welcome.

To the Registrar of MU, Dr Narayan Sabhahit, we offer a sincere welcome.

It delights me to offer a most courteous welcome to the Heads of Institutes, Faculty, University officials, and distinguished invitees.

We have with us the elite of Manipal, Udupi, and Mangalore, our well-wishers, who have always cherished the growth of our institutions to shape the younger generation. To all of them, I extend a



gracious welcome.

The well-knit Manipal team consisting of Heads of constituent institutions, faculty members, officers of MU, Manipal and the supporting staff, who have played a dynamic role in carrying forward the vision of MU, Manipal. A hearty welcome to all!

The members of the press and the media have been projecting to the public our message, showcasing the transparency, and integrity of MU, Manipal. Hearty welcome to all of them, who have responded to our invitation!

It is an honour and privilege dear parents, to share your joy, and pride as you witness the graduation of your child, a child who has magically transformed into a young adult. Let me offer my most enthusiastic felicitations and a whole hearted welcome to all the parents. Thank you for entrusting your children to us. We are delighted to welcome you to the convocation and to the Manipal community.

This beautiful evening, however belongs to you, students! We are here to celebrate your graduation,

we are here to congratulate the graduates, we are here to share your happiness with your near and dear ones, we are here to say thank you to those, who made this unique life changing day possible. And while you may be experiencing nostalgia for your days at Manipal, I hope that those feelings are mixed with a well-deserved sense of accomplishment, exhilaration and anticipation for the future that lies ahead.

Almost four years ago, you walked into this marvelous institute of higher learning as a new fresher. Today, heads held high, you will be walking on stage to receive your degrees. Tomorrow, you will walk into a world of infinite possibilities, wearing like a cloak of armour, the indomitable spirit that has symbolized the ethos of Manipal.

Congratulations to each and every graduating student on reaching a very important milestone! Once again, a very warm welcome to the 25th Convocation of MU! Enjoy the momentous and memorable evening!

Overview of the University

Overview - Dr G K Prabhu, Director, Manipal Institute of Technology, MU presented an overview of the University (Same as Day 1 presentation)

Introduction of the Chief Guest



Introduction of Chief Guest by Dr Arun Shanbhag, Chief Innovation Officer, Manipal University, Manipal

Distinguished guests, proud parents, and graduating students,

It is a great privilege for me to stand before you and present our Chief Guest for the Convocation, Padma Shri awardee, Prof Ashok Jhunjunwala.

Dr Jhunjunwala did his BTech from IIT Kanpur, his MS and PhD from the University of Maine and was a faculty at Washington State University before joining IIT Madras in 1981.

Ashok Jhunjunwala is an Institute Professor at IIT Madras.

Dr Jhunjunwala was among select academicians responsible for establishing the Telecom and Computer Networks or TeNet group at IIT Madras

more than 25 years ago. This group of dedicated faculty innovated, designed, developed, and commercialized a large number of technologies in the Telecom, IT, Banking, and Energy sectors. Two decades ago, there was no startup ecosystem; his team created the IIT Madras startup ecosystem.

They had already started 25-30 companies before the IIT Madras incubator was set up. This visionary was starting and incubating companies before incubators were in fashion.

As lauded in yesterday's Economic Times, IIT Madras Research Park is now a haven for startups. Today, they boast of 140 startups and 32 of these have raised over 100 million \$. IITM owes its success in no small measure to the passion, zeal, and drive of this giant amongst us, who we honour today.

The Indian Govt has taken confidence in Dr Jhunjhunwala's success and is attempting to replicate this initiative across India.

During the 2015 floods in Chennai, when water reached the first floor and everyone was trying to keep their toes dry, our man had a solar panel setup on his roof. He worked over the next four days, solely on this tiny solar panel; his secret was, he was running everything on high efficiency DC power.

The success and efficiency of this setup drove Dr Jhunjhunwala to design DC appliances bringing greater than 40% power savings. He is now driving energy efficient DC homes from the deserts of Rajasthan to the hills of Assam. This evangelist for solar and DC power has lit a raging fire, which will eventually make India energy efficient.

Because of this passion, Dr Jhunjhunwala served as advisor to the Minister of Power and New and Renewable Energy. He is on a mission to get India

to switch to electric vehicles. Under his guidance, the Delhi National Capital Region (NCR) is getting ready to buy 10,000 electric vehicles. Delhites can now breathe.

As you would expect Dr Jhunjhunwala had received a large number of awards reflecting the outsized impact he has made on our society. He was conferred the Padma Shri in 2002. He was awarded the Shanti - Swarup Bhatnagar award, the Vikram Sarabhai Research award, the Silicon India Leadership award, the Millennium Medal at Indian Science Congress, the Hari Om Ashram award, the Ram Lala Wadhwa Gold Medal, the J C Bose fellowship, and the Bernard Low Humanitarian award. The Indus Entrepreneurs conferred on our Chief Guest, the title of *Dronacharya* for leading entrepreneurship.

He has also received Honorary Doctorates from the University of Maine and Blekinge Institute of Technology, Sweden.

Dr Jhunjhunwala has been Chairman and member of various government committees, Boards of educational institutes and served on the Boards of several public and private companies including State Bank of India, TATA Communications, Bharat Electronics, Mahindra Electricals, Polaris, and Biotechnology Industry Research Assistance Council (BIRAC). At every place, he drove innovation. It would be a privilege to listen to his journey.

Ladies and Gentlemen,

It is a proud moment for me, on behalf of MU, Manipal to present to you, our Chief Guest for the 25th Convocation, Padma Shri awardee, Professor Ashok Jhunjhunwala!





Convocation Address by the Chief Guest



Convocation address by the Chief Guest Padma Shri awardee, Prof Ashok Jhunjunwala

Traditional India has divided a human-life into four stages: *Brahmacharya* (student), *Grihastha* (householder), *Vanaprastha* (retired), and *Sannyasa* (renunciation). Each was supposed to be for 25 years. In today's time, it probably has collapsed into three stages. The first remain the *Brahmacharya* (or student life, where you grow-up and learn), and today marks the end of this first stage for you, for the class of 2017 of MU, Manipal. I offer my heartiest congratulations to each of you for successfully crossing this stage and very best wishes for a meaningful future. I specially congratulate the medal and prize winners, who have worked hard and have succeeded.

Tomorrow you enter the second stage of human life, which is a period where you will be "contributing back to this earth." In today's time, it typically lasts for about 50 years. From now on, you will enter in this real world, as an independent person, responsible for yourself, your family, for your nation and for humanity at large. This is the time, when you will work and contribute to the society. In Indian tradition, it is said that a human being is born to contribute to the earth. "*Karma*," is the

purpose of one's life. It is this, which makes your life meaningful. I have been in this stage for about 40 years now and can from my personal experience, say that it is indeed true. If you lead this part of life well, you will be a satisfied person. So while your formal education is getting over, you can consider this as the real-examination, the examination of life. Your performance here will be a measure of how well you have learnt.

You are fortunate to graduate at a time, when our nation is poised to grow out of its past and become a stronger nation. Each of you will indeed enjoy this, but have a special role to play and owe great responsibility in getting us there. Let me say a few words which may help you in this journey:

1. The first one may be a redundant advice, as I am sure you have already acquired considerable skills working with Information and Communication Technology (ICT) in this digital world and have a command in using the variety of ICT applications for your work and for your life. If not, take time out to quickly master it. It does not take much. Similarly, I hope you have acquired certain soft-

skills. You need to be able to speak out in meetings, in conferences, and in public without any hesitation and communicate what you want to say. It again requires certain will and practice. It is easier to learn at this age. It will help you over the next 50 years.

2. I was fortunate to be taught by some of the greatest professors of my time at IIT, Kanpur. Prof C N R Rao taught us half-life of elementary particles. During the discussions, he mentioned that even knowledge has a half-life; then he went on to say that whatever he was teaching us, had a half-life of about three years. So by the time we graduated, two third of what he taught us might become obsolete. He therefore advised us to not just learn what he and other teachers taught us, but prodded us to learn, and to keep learning throughout our life. That was the only way that our knowledge will not become obsolete. My second advice to you is precisely that. I am sure that your college and teachers here have taught you a lot. But, never stop learning in your life. The knowledge that you have acquired here will become obsolete someday; you need to learn new things. If you want to succeed in your life, keep learning all the time from your colleagues, from your friends, from your juniors, and tomorrow even from your children. Today you are fortunate that you can also learn from the internet. The day you stop learning, you will become obsolete.

3. You have to live and contribute to this nation for the next fifty years. A lot will change by then. A lot will be for better. For example, renewables are likely to become the dominant source of power. Solar and wind, rather than fossil-fuels will become dominant. You will see this in the next ten to fifteen years. You have to watch it happen and facilitate this. There is still a lot to be done in this area. And you can dream of fossil-free future, probably the only way the earth will have a future. You need to make this happen soon. Similarly, by around 2030, most of India's vehicles will be running on electric power. This will be a great disruption. Today 7.1% of India's gross domestic product (GDP) comes from auto-sector. The processing and distribution of transport fuel contributes to another 5%. This 12.1% GDP and millions of jobs associated with them will be under threat. The transition will not be smooth and if this

is not handled well, it can result into major problems for our nation. You are walking into the beginning of this transition. This alone will free India from being dependent on massive oil-imports and also from the huge pollution that petrol vehicles create. Your knowledge and skills, honed by this institute, could make a difference. Robotics, 3D-manufacturing (also called the additive manufacturing), and nano-materials have all arrived and is going to transform the society. The world will require and come up with new materials. Electric aircrafts will not be too far behind. You indeed are getting into fast-changing world. Your ability to learn new things, train, and adopt yourself quickly can get you to lead the world. Best wishes for that.

4. But, not all the transformations will be good. There will be lots of challenges. But, do not forget that renewable energy did not look possible five years back. The work had gone on for twenty years, but there did not appear to be a definite solution for the world's carbon emissions. Then the turning point came and now it appears doable. So, keep in mind that determined human beings can indeed use technology to transform. So, let me come to the problems. One of the biggest problems that you will face in near-future is "water-problem" in the world. Availability of water will be probably the world's biggest challenge. And India will face this faster than others. The only way out is to recycle every drop that we use, preserve water and clean water. It would require technological breakthrough and some serious management effort. If we do not solve the problems, you will see water-wars in your life-time. Another related problem, especially for India, will be India's waste disposal. *Swatch Bharat* will remain a slogan, if technologies and processes are not developed and used extensively. Quick-fixes will not work. World has to become truly sustainable. It will be a great challenge. But, I want to repeat that five years back, it did not appear that we can make renewable energy economical and now we have done it. We are now making energy-storage economically viable. So, you can solve the problems of water and waste in near future. You have to just be determined.



5. There is another great technological advancement in the recent years. This comes from Artificial Intelligence (AI). I have seen work going on in the area for 30 years, with limited advancement. It all looked far. Then, suddenly things changed in the last few years. We saw some breakthrough in some specific areas. The gains quickly spilled over in others and now there is a flood. Huge numbers of people and start-ups have gone into this area. Investment is pouring in. Data analytics and learning is now being applied in wide-varieties of field with definite gains. The gains will grow exponentially in future. While there are definite gains in businesses and services, the fear is that it may imply making large number of jobs redundant. Why employ people, when machines can do it and do it better? What will happen to these large numbers of people, who become redundant? This is the challenge that nations will face. Only the best will survive. This is indeed a serious problem that you will encounter and the solutions have to be found sooner rather than later. There is another dooms-day scenario being painted. How long will it take the machines to become more intelligent than human beings and will they take over? While it is still in domain of science fiction, ignoring this any longer would be disastrous.

6. So, has your institute prepared you for all these challenges? If you have learned to learn, then you are indeed ready. Your knowledge and skills gained here will of-course be there always for you. But of all things, it is interdisciplinary work that will enable you to tackle difficult challenges. It is at that time, the knowledge gained by not just you, but by your classmates can become very useful. I am sure you have made great friends. But, I do not know how many of these friends are from different disciplines. You will need them tomorrow. Fortunately your class has people from different disciplines. There is always going to be a bond amongst the batch mates, even you do not know all of them today. You have to just nurture it. I hope the graduating class today quickly form an email-group and may be a WhatsApp group. Staying in touch with each other, discussing, and debating all kinds of things with each other, learning from others, and seeking help from them -- all these will get you going and will stay with you. Just learn to use them.

7. Finally, there may be some subjects and concepts that you have found boring in the class. You may not have mastered some of these. But over the years, you may suddenly find that even this limited familiarity may be of immense use. Almost 40 years after I graduated from IIT Kanpur, while working on energy-efficiency, I had to suddenly work in the area of air-conditioning. Now I needed the knowledge of thermodynamics, an area that I had not paid sufficient attention at my institute. I struggled. But, even the limited familiarity helped me understand things. There will be many occasions in the future that you will find all that you have learnt here, in the class and outside the class (and I need to give sufficient emphasis to outside the class) very useful. Thank your institute for what it has given you. Thank your class for becoming an extended family for you. There will be many-many challenges as you walk into the future. As I said, do not just watch these changes happen. Drive them. You will personally be successful and nation will benefit immensely. MU, Manipal will be proud to see its alumni drive such changes.

I want to again thank MU, Manipal for inviting me to this great occasion. And, I again congratulate each one of you. And, I bless you to have a bright future, both personally and professionally.



Presentation of memento by Mrs Vasanti R Pai to the Chief Guest Padma Shri awardee, Prof Ashok Jhunjhunwala

Conferring the Degrees



PhD Awards

Sl No	Name	Institutions
1	K Vijaya Kumar	Kasturba Medical College, Mangalore
2	Venkatachalam H	Manipal College of Pharmaceutical Sciences
3	Lalitha Simon	Manipal Institute of Technology
4	Sumana M	Manipal Institute of Technology
5	Soumya K V	Manipal Institute of Technology
6	Manjunath M S	Manipal Institute of Technology
7	Shalini	Kasturba Medical College, Manipal
8	Mohandas	Manipal Institute of Technology
9	Vidya S Rao	Manipal Institute of Technology
10	Vijayalaxmi	Manipal Institute of Technology
11	Pushpanjali M	Manipal Institute of Technology
12	Satish Kumar	Department of Commerce, MU
13	Abraham Samuel Babu	School of Allied Health Sciences
14	Yashvanthi Borkar	School of Life Sciences
15	Rama M	Department of Sciences
16	Sri Lakshmi Bhavani G	Kasturba Medical College, Manipal
17	Nayana Devang	Kasturba Medical College, Mangalore
18	K V Ramanath	Manipal College of Pharmaceutical Sciences
19	Prashanth G M	MU Research Centres
20	Aravinda S	MU Research Centres
21	Preethi Kumari P	Manipal Institute of Technology
22	Gowri Shankar M C	Manipal Institute of Technology
23	Vinita Amruthraj Acharya	School of Allied Health Sciences
24	Rao Pratiksha Tilak	School of Allied Health Sciences
25	Venu S	School of Life Sciences
26	Priyanka Pandey	Department of Commerce, MU



Sl No	Name	Institutions
27	Amith Kumar	Kasturba Medical College, Mangalore
28	Ramesh C	Manipal College of Nursing
29	Kishan M M	School of Allied Health Sciences
30	S Suresh	School of Allied Health Sciences
31	Pooja R Kamath	Department of Sciences
32	Anitha J	Department of Virus Research
33	Soundarya Iyer	MU Research Centres
34	Shivani Agarwal	MU Research Centres
35	Bheemesh Vangalapati	Kasturba Medical College, Mangalore

Dr TMA Pai Gold Medal

1	Mr Anuj Arora	Best outgoing BTech graduate (Manipal Institute of Technology)
2	Ms Sunaina Puri	Best outgoing BDS graduate (Manipal College of Dental Sciences, Manipal)
3	Mr Malshe Rohit Sanjay	Best outgoing BHM graduate (Welcomgroup Graduate School of Hotel Administration, Manipal)

Super Speciality Postgraduate students – KMC, MU, Manipal

1.	Dr Aseem Kapadia	MCh (Urology)
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Vote of Thanks



**Dr Anice George, Dean, Manipal College of Nursing,
MU, Manipal**

Honourable Chief Guest of today's function Dr Ashok Jhunjhunwala, Professor, Indian Institute of Technology, Madras, esteemed Pro Chancellor of MU,

Manipal Dr H S Ballal, Vice Chancellor Dr H Vinod Bhat, Chairperson Hostel Management Committee and the First Lady of Manipal Mrs Vasanthi Ramdas Pai, Pro Vice Chancellors Dr Surendra Shetty, Dr Poornima Baliga, Dr G K Prabhu, Registrar Dr Narayana Sabhahit, Registrar Evaluation Dr Vinod Thomas, Director Student Affairs Dr Suma Nair, Deputy Registrars, distinguished guests, invitees, Heads of institutions, graduates and parents, and all others in the audience on this momentous occasion, a pleasant evening to you all.

Manipal, the educational hub in rural India in the temple town of Udupi, has been vibrant for the one week, with happiness spread all over, with the smiling faces of graduates basking in their accomplishments, the contented faces of parents on fulfillment of their responsibility for the achievements of their children and the joyous faces of teachers of these graduates for having propelled them into a bright future. The one week long convocation at MU, Manipal made Manipal suffused with positive energy. Today, on the final day of MU, Manipal's 25th convocation, it

is my privilege to express gratefulness to all, who made it possible.

Our words may not be capable of communicating our indebtedness to the Chief Guest Dr Ashok Jhunjhunwala, Professor, Indian Institute of Technology, Madras for your thought provoking and motivating convocation address and for sharing the happiness of our graduates, their parents, and everyone at MU, Manipal. Thank you very much, Sir.

May I take this occasion to salute the captain of team Manipal, our honourable Chancellor Dr Ramdas M Pai for his vision for the growth of MU, Manipal. I thank Mrs Vasanti Ramdas Pai for her motivating presence with us today. Thank you madam!

A bouquet of thanks to all the other members of the Pai family!

We express our thankfulness to the Pro Chancellor of MU, Manipal Dr H S Ballal for all the efforts taken, guidance given, for leading from the front, for conferring the degrees to the graduates and postgraduates, and for making the 25th convocation of MU, Manipal a remarkable reality. Thank you, Sir and Madam Indira Ballal!

Dr H Vinod Bhat, the Vice Chancellor of MU, Manipal and the face of MU in research and new initiatives richly deserves our gratitude and I offer the same to you Sir for your timely directions towards the convocation ceremonies and for awarding the degrees to the graduates. I thank Dr Parvathi Bhat for her presence today.

We offer our sincere thanks to the Pro Vice Chancellor of MU, Manipal Dr Gopala Krishna Prabhu for the comprehensive overview of MU, Manipal. Our thanks to Mrs Malini Prabhu for your presence!

Our delighted thanks to the Pro Vice chancellors Dr Surendra Shetty and Dr Poornima Baliga!

We not only feel, but express the same feeling of gratitude to the other officials of MU, Manipal, Registrar Dr Narayana Sabhahit and Registrar Evaluation Dr Vinod Thomas.

We thank all the members of the trust, Board of Management, Academic Senate, and Board of studies for their valuable contributions to the University.

We recognize the presence of donors and well-wishers of MU, Manipal and appreciate and thank them for their unconditional support towards the growth of the University.

We record our indebtedness to Dr Pragna Rao, Dean of KMC Manipal for the welcome address, Dr Arun Shanbhag Chief innovation officer MU for introducing our today's Chief Guest, Dr Madhukar Mallya Deputy Registrar Evaluation for presenting Facts and Figures, Dr Yashwanth Rao for administering the oath, Dr Suma Nair Director Student Affairs for presenting the Gold medal awardees and Dr Shyamala Hande Deputy Registrar Academics for presenting the PhD awardees. Thank you all immensely.

We remain very much obliged to all the Heads of Institutions and their team of faculty members and staff for their unstinted cooperation to make this event possible and memorable.

Heartfelt thanks to all the University officials, volunteers, institutional coordinators and supporting staff for their invaluable and meaningful contributions!

The members of the press and media richly deserve our special thanks for covering this event.

I hereby acknowledge the crucial role executed by Mrs Gayathri Prabhu, the Master of Ceremony, and Mr Raghavendra Acharya and team for the soulful rendition of the invocation.

Thanks to all those, who have so enthusiastically extended their logistic support for conducting this mega event!

Although, I have expressed thanks to many today, I have still carefully hoarded the big chunk of thanks to the special people of today's function the endearing graduates and their loving parents. We have a special bouquet of thankful flowers to you. All of us from Manipal family are beholden to you for your participation and presence. May God shower choicest blessings on each one of you graduates as you launch yourselves in the exciting orbit of your professional career.

For your patience and silence during this long, but necessary thanksgiving, I am deeply appreciative.



Facts and Figures about Graduates

University Facts and Figures as detailed below,

Day 1 - Dr Vinod Thomas, Registrar Evaluation

Day 2 - Dr Yeshwanth Rao K, Deputy Registrar, Evaluation

Day 3 - Dr Madhukar Mallya, Deputy Registrar, Evaluation

Facts and Figures about Graduates

Convocation - November 2017

Sl no	Particulars	Convocation	Speed post/Absentia	Total
1	Undergraduates	2190	470	2660
2	Postgraduates	1503	187	1690
3	Super Specialties	4	10	14
4	PHD	82	30	112
5	Fellowship	0	4	4
Grand Total		3779	701	4480

Administering Oath

Common Oath by Graduates

“As a graduating student at Manipal University,
I Shall follow the code of Scientific professional ethics,
Maintain integrity in research
Uphold the course of science
Respect the dignity of the human being
Endeavour to be objective in my judgement and
Strive for the enrichment of human values and thoughts”

Administering oath to the students was announced by

Dr Vinod Thomas, Registrar Evaluation on Day 1.

Dr Madhukar Mallya, Deputy Registrar Evaluation Day 2

Dr Yeshwanth Rao K, Deputy Registrar Evaluation announced the Administering oath on Day 3, respectively.



Masters of ceremony

Convocation Day 1



Dr Aparna Raghu
Associate Dean, Prof of Prosthodontics
MCODS, MU, Manipal

Convocation Day 2



Dr Anil K Bhat
Head, Department of Orthopaedics
MU, Manipal

Convocation Day 3



Dr Gayathri Prabhu
Assistant Professor
Manipal Centre for Philosophy and Humanities, MU, Manipal







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