

(b) Available Academic and Physical Infrastructure of the Existing Institutions of the Trust

The MNR Higher Education and Research Academy (MNR-HERA), an off-shoot of MNR Educational Trust, is a 110 acre lush green campus located at Sangareddy, Gr. Hyderabad and organized by the Trust with more than 12,00,000 sft. of built-up area and all modern amenities. The campus houses premier higher education institutions offering Diploma, UG, PG & Ph.D. courses in the field of Medicine, Dentistry, Homoeopathy, Physiotherapy, Nursing, Pharmacy, Engineering & Technology, Arts, Science & Education. It is one among the largest private educational campuses in the states of Telangana and Andhra Pradesh that houses the following eight (8) varied professional colleges in a single campus.

MNR Medical College & Hospital



- Establishment of MNR Medical College and Hospital : 1999-2000
- Commencement of First Under Graduate Program (MBBS): 2001-2002
- It is affiliated with the KNR University of Health Sciences and is recognized by the National Medical Commission (NMC), Govt. of India.
- Medical College Infrastructure: 5 Floors, Total Area: 19102.56 Sq.m
- Hospital Infrastructure: 5 Floors, Total Area: 24957.54 Sq.m
- Accredited by NAAC (with “A” grade)
- Airy and spacious lecture galleries
- State-of-the-art Laboratories:
 - Anatomy
 - Physiology
 - Bio-Chemistry



- Microbiology
- Pharmacology
- Forensic Medicine
- Community Medicine
- Pathology
- Central Research Lab
- Skill Lab
- Excellent Demo rooms
- Has attached 760 bedded teaching hospital
- Around 220 doctors work round the clock and provide free quality health care services to the rural masses
- UG – 150 seats & PG – 93 seats
- Full-fledged Research & Innovation center
- Has 24-hour Casualty and Trauma Department
- Out Patient Departments: General Medicine, Surgery, Orthopedics, Gynecology, Pediatrics, Ophthalmology, ENT, Radiology, Dermatology, Psychiatry, Anaesthesia, Gastroenterology, Cardiology, Urology, Neurology and TB & Chest.
- Operation Theatre Complex: 9 Major and 3 minor Operation Theatres.
- Facilities include a Central Clinical Laboratory, Blood Bank, Radiology Center, Community Care & Rural Health Care Centers, Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls
- ISO certification
- NABH accreditation for Virology Lab
- NABH accreditation under process





MNR Dental College & Hospital



- Established in the year 2006
- Recognized by the Dental Council of India in 2011
- Infrastructure: 4 Floors, Total Area: 18683.64 Sq.m
- Accredited by NAAC (with “B++” grade)
- Has attached 220 units dental hospital
- Around 120 doctors provide free dental care services to the rural masses
- UG – 100 seats & PG – 24 seats
- State-of-the-art Laboratories:

- Dental Anatomy & Dental Histology
- Pre-clinical Prosthodontics
- Pre-clinical conservative
- Ceramic
- Orthodontic
- Pedodontics
- Radiology
- Histopathology



- Specialties: Oral Medicine & Radiology, Oral and Maxillofacial Surgery, Prosthodontics and Crown & Bridge, Conservative and Endodontics, Periodontology and Oral Implantology, Orthodontics and Dentofacial Orthopedics, Pedodontics and Preventive Dentistry, and Oral pathology and Microbiology.
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.

MNR Homoeopathic Medical College & Hospital



- Established in the year 2006
- Recognized by the Dental Council of India in 2011
- Infrastructure: 4 Floors, Total Area: 18683.64 Sq.m
- Accredited by NAAC (with “B++” grade)
- Has attached 220 units dental hospital
- Around 120 doctors provide free dental care services to the rural masses
- UG – 100 seats & PG – 24 seats
- State-of-the-art Laboratories:
 - Dental Anatomy & Dental Histology
 - Pre-clinical Prosthodontics
 - Pre-clinical conservative
 - Ceramic
 - Orthodontic
 - Pedodontics
 - Radiology
 - Histopathology
- Specialties: Oral Medicine & Radiology, Oral and Maxillofacial Surgery, Prosthodontics and Crown & Bridge, Conservative and Endodontics, Periodontology and Oral Implantology, Orthodontics and Dentofacial Orthopedics, Pedodontics and Preventive Dentistry, and Oral pathology and Microbiology.
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.



MNR College of Pharmacy



- Established in the year 2004
- Recognized by the Pharmacy Council of India (PCI)
- Permanently affiliated to the Osmania University for the B. Pharm, M. Pharm, Pharm D and Post Baccalaureate.
- approved by Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)
- Infrastructure: 4 Floors, Total Area: 6766.02 Sq.m
- 64 highly qualified faculty members (more than 40% Ph.D's.)
- Offers B. Pharmacy (100 seats); Pharm-D (30 seats); Pharm-D (PB) (10 seats); M. Pharmacy (45 seats) & Ph.D. courses.
- Departments: Pharmaceutical Chemistry, Pharmaceutics, Pharmacology, Pharmacognosy, Pharmaceutical analysis, and Pharmacy Practice.
- State-of-the-art Laboratories:
 - Pharmaceutical chemistry lab
 - Pharmaceutics lab
 - The industrial pharmacy lab
 - Pharmacology lab
 - Pharmacognosy lab
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.



MNR Sanjeevani College of Physiotherapy & Hospital



- Established in the year 1999
- Infrastructure: 4 Floors, Total Area: 3186.01 Sq.m
- Providing free physiotherapy care services with 24 faculty members.
- Offers BPT (50 seats) & MPT (24 seats) courses.
- The Physiotherapy OPD located in MNR Hospital provides the following services:
 - Ultra sound therapy
 - Traction
 - SWD (Shortwave Diathermy)
 - Exercise bicycle
 - TENS (Transcutaneous Electrical Nerve Stimulation)
 - Tread mill
 - IFT (Interferential Therapy)
 - Portable sports PT equipment
 - Hydrocollator packs
 - Massage
 - Paraffin wax therapy
 - Manual Therapy
- Laboratories:
 - Kinesio Therapeutics (Exercise Therapy)
 - Electro Therapy.
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.



MNR College & School of Nursing



- Established in the year 2002
- Recognized by Indian Nursing Council and affiliated to Dr.NTR University of health sciences Vijayawada and Kaloji Narayana Rao University Warangal.
- Infrastructure: 4 Floors, Total Area: 3232.52 Sq.m
- Highly qualified teaching staff to train the students. Clinical training at attached MNR Medical College & Hospital
- Offers B.Sc.(N) (100 seats); M.Sc.(N) (40 seats); Diploma in Nursing (40 seats) courses.
- Departments: Nursing administration and education, Obstetrics & gynaecological nursing, Psychiatry nursing, Community health nursing, Child health nursing, Medical surgical nursing, Nursing research, and Fundamentals of nursing.
- Laboratories:
 - Nursing Foundation
 - Maternity and Child Health
 - Community Health Nursing
 - Medical Surgical Nursing
 - Nutrition
 - Audio visual and computer.
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.



MNR College of Engineering & Technology



- Established in the year 2008
- It is affiliated to Jawaharlal Nehru Technological University (JNTUH), Hyderabad, Telangana State and approved by the All India Council for Technical Education (AICTE) Govt. of India.
- Infrastructure: 4 Floors, Total Area: 9558.03 Sq.m
- Highly qualified teaching staff (with more than 30% Ph.D.'s)
- Departments and Laboratory Facilities:

1. **Computer Science & Engineering (CSE)**

- C & Data Structures Lab
- IT Workshop
- UNIX-Shell Programming Lab
- Advanced Data Structures ©++ Lab
- Object Oriented Programming (Java) Lab
- Database Management Systems (Oracle) Lab
- Unified Modeling (UML) Lab
- Computer Networks (CN) Lab



2. **Electronics & Communication Engineering (ECE)**

- Electronic Circuits Hardware Lab
- Electronic Circuits Software Simulation lab with latest Multisim V10 Simulation Software

- Electrical Technology Lab
- Pulse and Digital Circuits Lab
- Analog Communications lab
- IC Applications Lab
- Digital Communications Lab
- ECAD Lab
- Microprocessors & Interfacing Lab



3. **Mechanical Engineering**

- CAD/CAM lab
- Fluid Mechanics and Hydraulic Machinery Lab
- Engineering Mechanics Lab
- Engineering Workshop Practice
- Heat Transfer Lab
- Instrumentation Lab
- Metallurgy Lab
- Metrology Lab
- Mechanics of Solids Lab
- Machine Tools Lab
- Production Technology Lab
- Thermal Engineering Lab
- Computational Methods Lab
- Thermal Engineering lab
- Computational Methods Lab
- Kinematics & Dynamics Lab
- Simulation & Precision Engineering Lab



- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.

MNR College of Education



- It is affiliated to Osmania University, Hyderabad.
- Infrastructure: 3 Floors, Total Area: 2861.45 Sq.m
- Highly qualified teaching staff (with more than 20% Ph.D. 's)
- Offers B.Ed; M.Ed; & D.Ed courses
- Facilities include a Digital Central Library, Auditorium, Gymnasium, Playground and Excellent Hostels separately for Boys & Girls.

MNR-CART (Centre Aiming Rural Transformation)

The MNR-CART is a voluntary organization established by the Trust and inaugurated by the then Hon'ble President of India Sri Abdul Kalam ji. The MNR-CART provides training to rural women, farmers and youth who are at the bottom of the socio-economic pyramid and offers various skill enhancement and job oriented courses that empower rural population and thereby help in rural transformation for enhancing the employability of rural youth.

Administrative Block

- Infrastructure: 2 Floors, Total Area: 2337.55 Sq.m



MNR Foundation for Research & Innovations

The Trust has established a Foundation for Research & Innovation which has been focusing on research for understanding disease biology and biomedical sciences processing the knowledge for better management and potential therapeutics

1. Existing Research Projects

- a. **Funding Agency:** The IKS Division of Ministry of Education@AICTE, Govt. of India.
Research Projects: Remodeling Technology Integrated Validation of Ayurveda Jihva: Corroborating Saam Jivha Pariksha to Multiple Biomarker Detection Using Point of Care Paper-based Device.
- b. **Funding Agency:** DST SERB Start-up Research Grant (SERB-SRG), Govt. of India, Science and Engineering Research Board (SERB) File Number: SRG/2022/000576.
Research Projects: Nanoparticle Enthused Point of Care, Assay Device Aiming Simultaneous Detection and Severity Status of Acute Pancreatitis.
- c. Development of a Paper-based fluidic device as a low-cost diagnostic tool (Seed funding from MNR Educational Trust).
- d. Submitted the details required for ICMR multi-centric project on Stillbirth.

2. Possible Funding under Process

- a. **Funding Agency:** Department of Biotechnology (DBT), Govt. of India
Project Title: Modest Technology Integrated, Precise, Easy, & Quantitative Disposable Point of Care Paper-Based Hemoglobin Sensor for Predicting Anemia [BT/PR50201/PFN/20/1641/2023].
- b. **Funding Agency:** CSIR (Women Scientist Scheme), Govt. of India.
Project Title: Multiplex Biomarker Inspired Novel & Innovative Technology Integrated Detection of Ectopic Pregnancy Beyond the State-of-the-Art of Lateral Flow Assay