

# IQAC

2022



## MALLA REDDY ENGINEERING COLLEGE

(A UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad).

Accredited 2nd time by NAAC with 'A' Grade, NIRF Rank Band 250-300, ARIIA Band Performer, NBA Tier-I Accredited (B.Tech- CE, EEE, ME, ECE & CSE, M.Tech- Structural Engineering, Electrical Power Systems, Thermal Engineering)

Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad- 500100, Telangana State. [www.mrec.ac.in](http://www.mrec.ac.in)



## About The Institution

Malla Reddy Engineering College (Autonomous) – MREC, is one of the top notch and highly reputed engineering colleges in Hyderabad, Telangana. MREC is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories and Skill Development, Govt. of Telangana State, who has invaluable insights into technical education of highest quality. The college is situated in a serene, lush green environment on Kompally- Bahadurpally Road, opposite Forest Academy, Medchal-Malkajiri District, Telangana State and adjacent to Urban Forest.

Established in the year 2002, the college is approved by AICTE and affiliated to JNTUH. The University Grants Commission (UGC) conferred 'Autonomous' status upon the college till the year 2024 – 25. The college is placed in 251 – 300 Band in Engineering category in NIRF 2021 rankings. The college is accredited by NAAC with 'A' Grade (Cycle II). The peer team visit for the NAAC accreditation under Cycle III is expected very soon. Five UG programmes offered by the departments of CE, EEE, ME, ECE and CSE got accredited by NBA recently with a score of 700+ points each under Tier – I which is a first time ever feat in the state of Telangana. The eligible PG programmes are also accredited by NBA till June 2022 which is again a rare achievement. AICTE has handpicked the college under Rs. 50 Lakh worth 'Margadarshan' scheme wherein the college got the privilege to mentor 10 Engineering colleges for the NBA accreditation process of the eligible programmes in those colleges.



The research potential of the college is duly recognized by various funding agencies both national and international. It is evident from the fact that the college got Rs. 1 Crore grant from the software giant Microsoft under 'AI for Earth' scheme.

The Institute Innovation Council (IIC) is vibrant and bagged 4-star rating recently awarded by Ministry of Education's Innovation Council. Also, the college is listed in 'Band - Performer' in ARIIA 2021. MRECHUB, the incubation centre at MREC supports the entrepreneurial ideas among the students and encourages them to establish their Start-ups.

The Centre of Excellence addresses the need of Skill development training to the students. The efforts put in by the Entrepreneurship Development Cell (EDC) in educating the students about the scope of entrepreneurship are lauded by the affiliating university JNTUH. Further, the R and D Cell encourages both the faculty and students to take up quality research besides educating them regarding research ethics, quality publications and IPR related issues.

The phenomenal reforms undertaken by the college made it the leader in terms of placements. Year after year the placement record is getting improved making the college break its own records set by it earlier. The total number of placement offers has surpassed 1400 mark in the year 2020 – 21.

The dynamic Industry Institute Interaction Cell (IIIC) has ventured the college into MoUs with the reputed academic institutes of higher learning in the region and renowned MNCs and other industries. The recent achievement is the MoU with IIT Hyderabad.

Besides academics the college believes in bringing out and building up the co-curricular and extra-curricular potential hidden in the students. Various clubs like Literary club, Dance club, Music club, Social service club, Social service club, Fine arts club, Technical club and Photography club under Students Associations Council (SAC) are actively involved in nurturing the variety of talents in the students.

The college caters to wide ranging aspirations and goals of student communities by offering relevant courses and programs in various streams of Engineering & Technology and Management. It owns world-class infrastructure and well-equipped laboratories in all departments It is skilfully and smartly guided by Dr. A. Ramaswami Reddy, Director -cum- Principal, who has a rich teaching and research experience of many years.



## Few highlights of MREC:

- Placements in Top-Notch Companies
- Qualified faculty with industry / research experience
- Choice-based credit system
- Industry Driven Curriculum
- MoUs with Academic institutions, Top MNCs and Industry Majors
- Centralized Academic Library with Digital Collections
- Technical case studies & online assignments
- Wi-Fi enabled campus
- 24X7 Video Surveillance
- Intuitive e-Learning Portal
- Excellent Research and incubation Centers
- State-of-the-art laboratories
- Well-equipped Major Auditorium
- Technical Fests, workshops & Conferences
- Comprehensive Campus Recruitment Training
- Guest lectures by experts from Industry/Academia
- Well Furnished hostels
- Industry Interface Programs
- Green Campus
- Gymnasium
- Indoor and Outdoor Sports
- Spacious Food Courts
- Pollution Free Campus
- 24x7 Security



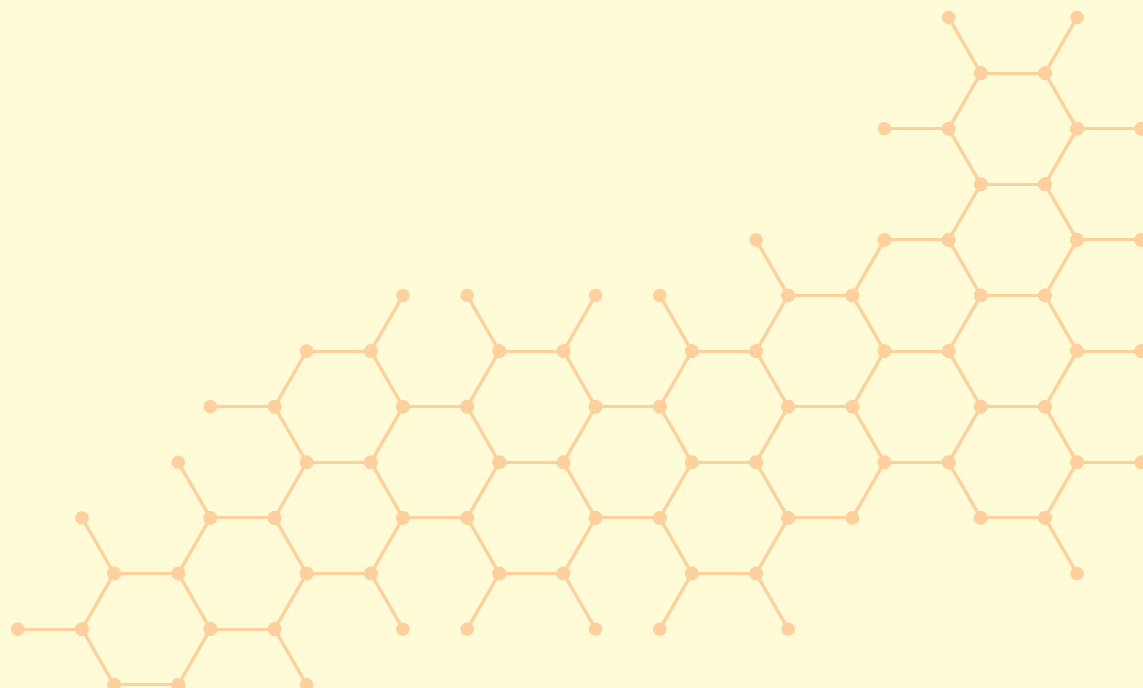


# About The Chairman

**SRI CH. MALLA REDDY**  
Founder Chairman, MRGI



Sri. Ch. Malla Reddy is an educationist and a politician of highest repute. He is currently serving as the Hon'ble Minister for Labor and Employment, Factories, and Skill Development, Govt. of Telangana State. His dream is to bring out quality Engineers who would contribute the progress of the nation. He firmly believes in Skills development for students. He wants the young minds to be nurtured in grasping emerging technologies. He believes that they need to have the skills and attitudes that are relevant to the future work demands. He urges the faculty to focus on holistic teaching-learning process so as to pave way to quality output and future leaders of our nation striving towards Excellence in the truest sense.





# About The Director- cum- Principal

## **Dr. A. Ramaswami Reddy**

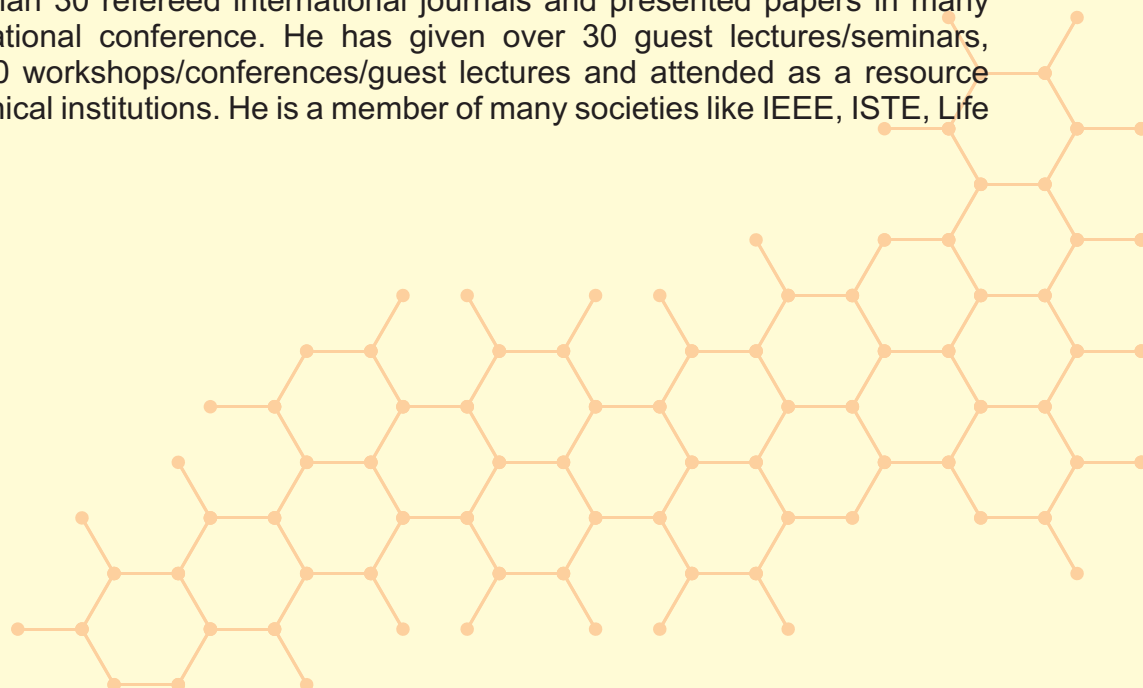
Director - cum - Principal, MREC



Dr. A. Ramaswami Reddy is the Director - cum- Principal of Malla Reddy Engineering College (Autonomous). He obtained his PhD from JNTUK, Kakinada in the faculty of Computer Science and Engineering. He has 20+ years of experience in teaching and research. He worked at various capacities like Director, Principal, Dean, Head, Controller of examiner and chief warden at reputed engineering colleges.

He is well-versed in sophisticated research techniques and technologies, applications of Image Processing, Data Mining and Machine Learning Techniques. He also possesses excellent knowledge and skill of various programming languages and expertise in lab and research, data collection/analysis. He has guided over 200 B.Tech students, 50 M.Tech students and currently 6 PhD students are working under his supervision.

He is the chief coordinator of funded projects worth Rs.1.51 crores granted for various schemes like Microsoft AI for Earth, AICTE Margdarshan and AICTE SPICES. He has published in more than 30 refereed international journals and presented papers in many national and international conference. He has given over 30 guest lectures/seminars, organized around 20 workshops/conferences/guest lectures and attended as a resource person at other technical institutions. He is a member of many societies like IEEE, ISTE, Life Membership FIE.





## VISION OF THE INSTITUTE

To be a premier center of professional education and research, offering quality programs in a socio-economic and ethical ambience.



## MISSION OF THE INSTITUTE

- To impart knowledge of advanced technologies using state-of-the-art infrastructural facilities.
- To inculcate innovation and best practices in education, training and research.
- To meet changing socio-economic needs in an ethical ambience.



## INTERNAL QUALITY ASSURANCE CELL - IQAC POLICY FRAMEWORK OF IQAC

### PREAMBLE

The National Assessment and Accreditation Council advocated the establishment of an Internal Quality assurance Cell (IQAC) by all the accredited institutions. Malla Reddy Engineering College, Secunderabad was established in the year 2002. Internal Quality Assurance Cell (IQAC) of the College was established in the year 2010. The IQAC plans, guides and monitors Quality Assurance and Quality Enhancement activities of the college. IQAC will create internal awareness on quality issues and also establish credibility for the external quality evaluation.



“To pursue global standards of excellence in all our endeavours encompassing teaching, research, consultancy, and continuing education and to remain focused in our core and support functions and in that direction to hold ourselves accountable to our stakeholders, through embedded processes of self-evaluation and continuous improvement”

### Vision of IQAC

To ensure quality culture as the prime concern for the Higher Education Institutions through institutionalizing and internalizing all the initiatives taken with internal and external support.

### Mission of IQAC

- To channelize and systematize the efforts and measures of an institution towards academic excellence.
- To be the driving force in enhancing quality to remove deficiencies.

### Objectives of IQAC

- a) To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- b) To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

### Functions of IQAC

- a) Development and application of quality benchmarks.
- b) Parameters for various academic and administrative activities of the institution;
- c) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- d) Collection and analysis of feedback from all stakeholders on quality-related institutional processes;
- e) Dissemination of information on various quality parameters to all stakeholders;



- f) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- g) Documentation of the various programmes/activities leading to quality improvement;
- h) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- i) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- j) Periodical conduct of Academic and Administrative Audit and its follow-up
- k) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

## Features of IQAC

Quality assurance is a by-product of ongoing efforts to define the objectives of an institution, to have a work plan to achieve them, and to specify the checks and balances to evaluate the degree to which each of the tasks is fulfilled. Hence devotion and commitment to improvement rather than mere institutional control is the basis for devising procedures and instruments for assuring quality. The right balance between the health and growth of an institution needs to be struck. The IQAC has to ensure that whatever is done in the institution for “education” is done efficiently and effectively with high standards. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

The coordinators of the IQAC will have a major role in implementing these functions. The IQAC may derive major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broad-based to facilitate institutions towards academic excellence and institutions may adapt them to their specific needs.





## IQAC Quality Initiatives

- Mrecacademics.com - It collects data with regard to administration, curriculum, academic programs, research activities, faculty activities, student activities, departmental activities etc., from the department and other central facilities, which is analysed, and presented through statistical tools. The information generated can be shared with the management, IQAC and the concerned units.
- Involving Students in Various Institutional Committees.
- Monitoring student progress & mentoring system.
- Motivate Faculty Members in Publication of Journals of International standards & as per the guidelines of UGC.
- Comprehensive Feedback Mechanism.
- Academic and Administrative Audits.
- Conduct of FDPs, Skill development programs, Workshops, VACs and Seminars to enhance Quality
- Standardizing various processing such as reporting formats, BoS minutes, Evaluation of research proposals, Feedback forms and Teaching Plans.
- Innovations in Teaching methodologies
- Monitoring the functioning of the committees, Cells and centres through conducting meetings and monitoring the reports they submit.
- Green Practices including Green Audit.
- Newsletter is prepared to disseminate information to students.
- Establishment of EDC, Centre of Excellence, R&D Cells, etc.,
- Monitoring the laboratory equipment and maintenance through submission of reports.
- Food Quality committee in canteen and Hostel.
- Food safety Certificates.
- Induction and Orientation programme
- Peer teaching for advanced learners.
- Calibration of laboratory equipment.
- Policies and SOPs for Quality assurance
- Facilitation of department e-contents and YouTube lecture videos.
- Content beyond syllabus.
- Faculty members were encouraged to publish articles with students as Co-Authors.
- Meetings with Deans, HoDs (DDH) : Regular meetings with the deans, HoDs are held to discuss various aspects and measures towards quality enhancement.



## Role of IQAC Committee in Design and Implementation of Quality Policy and Plans

The tenure of Office of the Members of IQAC shall be for two Years and may be extended by the Chairperson. The head of the institution will be the Chairperson of the Committee. The head of the institution has the sole right to select the coordinator of IQAC depending on the fulfilment of parameters.

### I. Role of Management

- In order to fulfil Vision and Mission of the institution, Management plan Long term and Short-term goals related to physical infrastructure, academic infrastructure, student facility and financial planning. After planning this long-term plan, IQAC will take initiatives to implement the plan phase wise. Amongst the large number of proposals management were able to introduce and sustain some best practices in our institution.
- As per the directions received from management, IQAC usually prepare Annual Plan of Action and try to implement these. Action plan gives the direction to the whole system of education.

### II. Role of Head of the Institution

- To organize an interactive session with faculty members following the guidelines given by Governing Body
- Preparation and release of guidelines regarding all Academic activities before the commencement of Semester.
- Uploading of Academic plans prepared by respective faculty members on the college portal for easy access to the students.
- Preparation of list of faculty coordinators at Department level for various academic activities and compilation of the same.
- To conduct the meeting of faculty coordinators for various academic tasks to discuss the plan of action for their respective responsibilities
- Preparation of mentoring guidelines to be followed
- To conduct interactive session with all faculty mentors regarding mentoring of students  
To help the Departments in monitoring the mentoring process
- To coordinate the process of online feedback from students about Teaching-Learning process in respective classes and communicate the assessment of the same to respective faculty members and Department



### III. Role of Coordinator

- The role of the coordinator of the IQAC is also crucial in ensuring the effective functioning of all the members. The following are the roles and responsibilities carried by coordinator.
- To coordinate the dissemination of information on various quality parameters of higher education
- To coordinate the documentation of the various programmes / activities leading to quality improvement
- To organize the regular meetings of the Committee and to ensure the participation of the members and to make certain about the efficient execution of the decisions of the IQAC members.
- To coordinate in preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.
- To coordinate the timely and efficient execution of the decisions of IQAC committee.

### IV. Role of IQAC Departmental Coordinator

- Every Department will have one coordinator to coordinate all events of the Department to IQAC. The IQAC coordinator in consultation with the HOD of the respective department will nominate the departmental coordinator.
- In case of any discrepancy found, the coordinator in consultation with the Head of the institution can remove the Departmental coordinator.

### V. Role of Faculty

Faculty play important role in implementing IQAC policy of the Institution.

- Faculty should follow all the guidelines given by IQAC Cell.
- Faculty should maintain discipline according to the institution's rules and guidelines.
- Faculty should ensure quality teaching and learning processes.

## Ensuring Interaction with the Stakeholders

### A. Role of Alumni

- The alumni should maintain good communication with faculty and the institution by providing market feedback, technology trends, and job opportunities.
- They will maintain goodwill of the college.

### B. Role of Students

- Students are required to abide by norms, rules, guidelines related to discipline, punctuality, and regularity.
- They have to meet the benchmarks to maintain good attendance, results and to develop required presentation skills.
- Students to provide their feedback to remove any deficiencies in the course curriculum, teaching-learning process.





## COMPOSITION OF IQAC

### Guidelines:

[http://www.naac.gov.in/images/docs/Guidelines/IQACAQAR\\_Guideline\\_Affiliatedcollege-3-10-2019.pdf](http://www.naac.gov.in/images/docs/Guidelines/IQACAQAR_Guideline_Affiliatedcollege-3-10-2019.pdf)

The IQAC may be constituted in every institution under the chairmanship of head of the institution with heads of important academic and administrative units and a few teachers and a few distinguished educationists/ representatives of local committee. The composition of the IQAC may be as follows:

- Chairperson: Head of the Institution
- Teachers to represent all level (Three to eight)
- One member from the Management
- Few senior administrative officers
- One nominee each from local society, Students and Alumni
- One nominee each from Employers /Industrialists / stakeholders
- One of the senior teachers as the Co-ordinator / Director of the IQAC

### IQAC Meeting

- All the meetings of IQAC shall always be chaired by the head of the institution and his / her absence, by any one of the nominees of the head of the institution.
- IQAC shall meet at least once every quarter on dates, times and places decided by the Chairperson / head of the institution and notified by the IQAC coordinator.
- The Agenda for IQAC meetings shall be prepared by IQAC coordinator and Associate coordinators, under the instructions of and with prior approval of the head of the institution.
- An accurate recording of proceedings (minutes) of each meeting shall be prepared and shall be maintained by the office of the Director, IQAC.



## MALLA REDDY ENGINEERING COLLEGE

### IQAC Committee AY 2021-22

Sl. No.	Role	Designation	Name
1.	Chairman	Head of the Institute	Dr.A.Ramaswami Reddy, Principal, MREC
2.	Member	Members from Management	Mr. P. Praveen Reddy, Director, MRGI
3.	Members	Senior administrative officers	Dr. T. V. Surendranatha Reddy, Dean H&S
4.	Members	Teachers to represent all levels	Dr. S. Udaya Bhaskar, Dean Academics
			Dr. Halesh Koti, Controller of Examinations
			Dr. G. Hema Reddy, TPO
			Dr. M. S. Venkataramayya, Dean IIIC
			Dr. N. Rishi Kanth, HoD, ME
			Dr. J. Selwyn Babu, HoD, CE
			Dr. N. LakshmipathiAnantha, HoD, CSE
			Dr. M. Deena Babu, HoD, IT
			Dr.T.Rajesh, Professor, EEE
			Dr. Madhu Babu Sikha, Professor, ECE
			Dr. P. Siva Kumar, HoD, Physics
			Dr. N. Ramanjaneyulu, HoD, MBA
Dr. M. Jagadeesh Chandra Prasad, HOD, ECE			
Mr. B. Vamsi Krishna, Associate Professor CE			
5	Nominee from	Local Society	GramaPanchayat, Sarpanch, Gundlapochampally.
		Students	Mr.T.Vikas , IV B. Tech. (ECE)
		Alumni	Mr.PoranlaVenuGopal, Site Engineer, Vasant Technocrats Pvt. Ltd.
6	Nominee from	Employers	Mr. P.C.S. Nivas, Lead L & D Head Campus Connect, INFOSYS, Hyd.
		Industrialists / Stakeholders	Mr.AmaralingeswaraRao Kaka, Lab Services Leader, IBM India Private Limited, Bangalore-560045.
7.	Member Secretary	Coordinator	Dr. N. Rajeswaran, HOD, EEE



# IQAC



## **MALLA REDDY ENGINEERING COLLEGE**

(A UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad).  
Accredited 2nd time by NAAC with 'A' Grade, NIRF Rank Band 250-300,  
ARIIA Band Performer, NBA Tier-I Accredited (B.Tech- CE, EEE, ME, ECE & CSE,  
M.Tech- Structural Engineering, Electrical Power Systems, Thermal Engineering)

Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad– 500100,  
Telangana State. [www.mrec.ac.in](http://www.mrec.ac.in)