

NIRF, AAA Reports

&

Details of Follow up Actions

NIRF

(National Institutional Ranking Framework)

Year wise Rankings



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



**Ministry of
Education**
Government of India



**National Institutional Ranking Framework
for Innovation**

REPORT

2023

nirf-Innovation

National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

Introduction:

In the year 2018, the Ministry of Education, Govt. of India has initiated 'Atal Ranking of Institutions on Innovation Achievements (ARIIA)' to systematically rank education institutions and universities primarily on innovation related indicators. ARIIA considers all 7 major components are essentially required for building inclusive innovation and start-up ecosystems in Higher Educational Institutions (HEIs) as parameters. It measures the ecosystem building efforts in institutions by using 22 Key Performance Indicators (KPIs) in aligned global indicators.

So far, three editions of innovation ranking exercises have been successfully completed. ARIIA framework is providing directional support to more than 1500+ HEIs in benchmarking their ecosystems and identifying their core strength and weak areas for building a strong, vibrant and inclusive innovation-start-up ecosystem in campuses. Innovation ranking framework is also helping in reallocation and mobilisation of resources to streamline and strengthen the current innovation-start-up ecosystem and bring impact in the long-run.

The 4th edition of ARIIA is renamed as 'NIRF-Innovation' ranking and it has adopted the framework, parameters and Key Performance Indicators (KPIs) of ARIIA. This 4th edition has received participation from 1417 HEIs with very good representation from 6 different types of institutions. Out of which, 340 HEIs are non-technical institutions. Category wise institution participation detail is as below;

Sr. No.	Institution Category	Total HEIs	Technical HEIs	Non-Technical HEIs
1	Institute of National Importance and Central Universities/CFTIs	82	75	7
2	University & Deemed to be University (Govt. & Govt. Aided)	41	35	6
3	Affiliating Universities	23	18	5
4	Colleges/Institutes (Govt. & Govt. Aided)	140	89	51
5	University & Deemed to be University (Private/Self-Financed)	136	130	6
6	Colleges/Institutes (Private/Self-Financed)	995	734	261
Total		1417	1077	340

Ranking Framework, Parameters & Weightages: The NIRF-Innovation Ranking Framework has 7 broad parameters with weightages are as below:

NIRF Innovation Ranking Framework: Parameters	Weightage %
Parameter 1: Policy and Institutionalization of I&E Activities in HEIs	10
Parameter 2: Teaching and Learning Courses on Innovation and Entrepreneurship	10
Parameter 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda	10
Parameter 4: Generation and Support of Ideas/Prototypes /Innovations at HEI and Recognition received	20
Parameter 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received	20
Parameter 6: Collaboration with other Incubation Units, HEIs and Industry Associations to Strengthen Services and Support to Innovation & Start-ups at HEI	5
Parameter 7: Intellectual Property (IP), Generation and Commercialization	25
Total	100

Ranking Framework: Key Performance Indicators

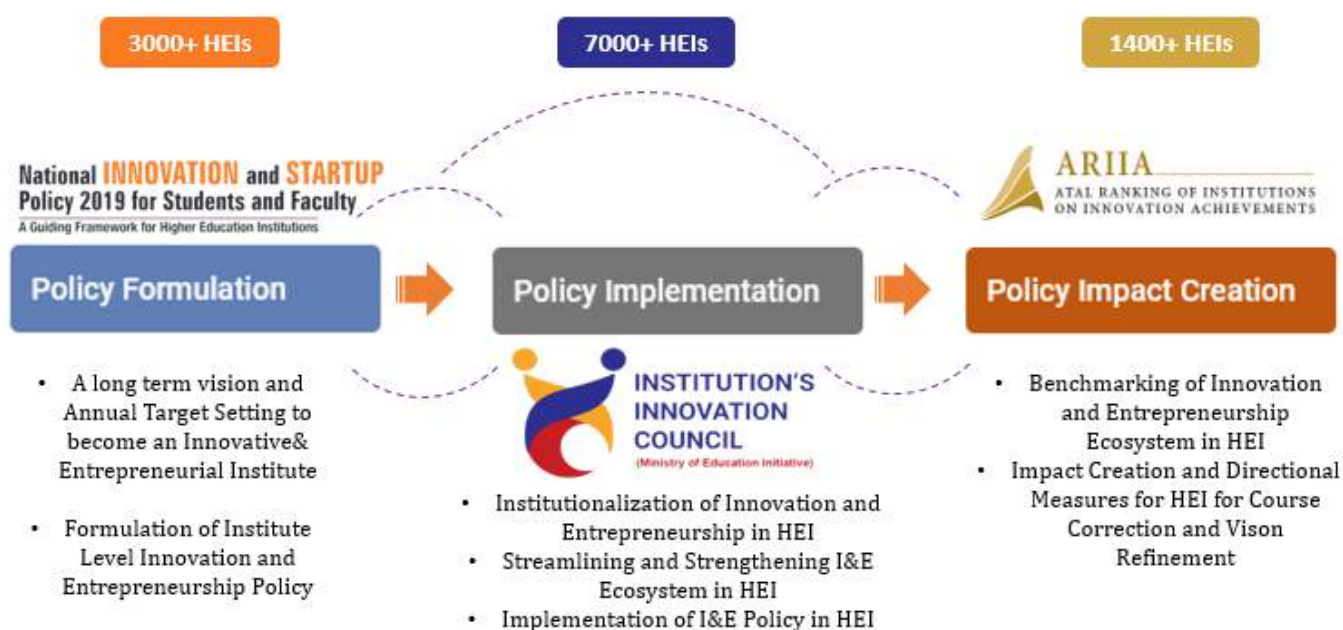
The NIRF-Innovation Ranking Framework captures data by using 22 Key Performance Indicators under seven broad parameters with weightages are as below;

NIRF Innovation Ranking Framework: 7 Parameters & 22 Key Indicators		Weightage	%
Parameter 1: Policy and Institutionalization of I&E Activities in HEIs (Academic Calendar Year 2020-21 & 2021-22)		0.10	100
1.1	Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation		25
1.2	Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained		40
1.3	Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA		25
1.4	Participation in KAPILA/SIH Program		10
Parameter 2: Teaching and Learning Courses on Innovation and Entrepreneurship: (AY 2020-21 & 2021-22):		0.10	100
2.1	Credit Courses in Innovation / Entrepreneurship / Intellectual Property offered by the HEI at Diploma/ UG/ PG/ PhD level.		60
2.2	Short-term Certificate Programs/MDP/EDP/FDP in Innovation/ Entrepreneurship/IPR of minimum 30 contact hours of duration offered by the HEI.		40
Parameter 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22):		0.10	100
3.1	Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Start-up Cell) (>= 600 Sq. Ft. Floor Area)		30
3.2	Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)		50
3.3	Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute		20
Parameter 4: Generation and Support of Ideas/Prototypes /Innovations at HEI and Recognition received (AY 2020-21 & 2021-22):		0.20	100
4.1	Number of Innovations/Prototypes (in TRL 4-9) Developed with Support of HEI/Incubation Unit		80
4.2	Awards won by innovations at State/National/International Level Competitions Organized by Central/State Govt. Dept. or Agencies/ International Corporations/Institute of National Importance/National Industry Associations such as CII, FICCI/ASSOCHAM etc.		20
Parameter 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22):		0.20	100
5.1	Start-ups/SME Ventures with CIN / Entrepreneurial Ventures with at least GST number Established with Support of HEI/Incubation Unit		30
5.2	Faculty as Founder or Co-Founder with DIN for in any Start-up/SME Venture (with CIN / Entrepreneurial Ventures with at least GST number) in HEI/Incubation Unit		20
5.3	Angel and VC Investments Raised by Start-ups/Ventures		15
5.4	Start-ups/SME Ventures Reached to an Annual Turnover (Revenue) Size of Rs. 50 Lakhs		15
5.5	Awards won by Start-ups/SME Ventures at State/National /International Level Competitions organized by Central/State Govt. Dept. or Agencies/International Corporations/Institute of National Importance/ National Industry Associations such as CII, FICCI/ASSOCHAM etc.		20

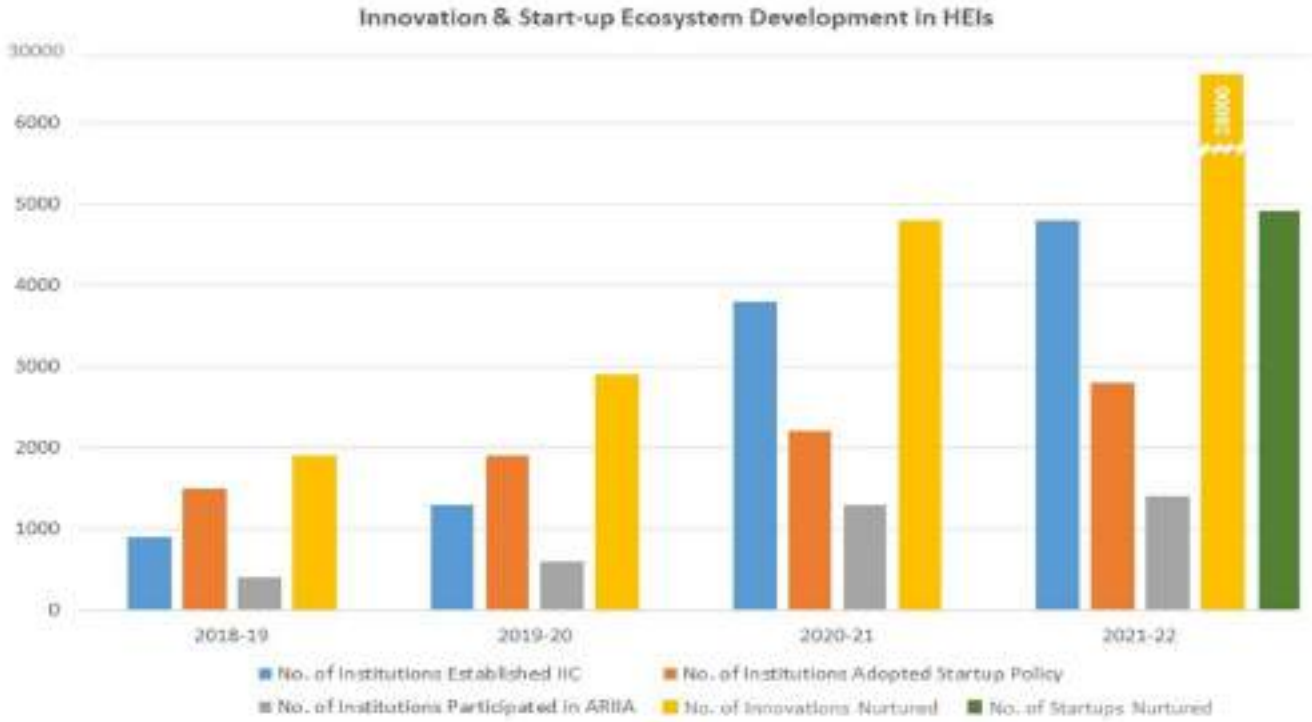
Parameter 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Start-ups at HEI (AY 2020-21 & 2021-22)		0.05	100
6.1	Formal Collaboration Linkages (MoUs) with Higher Educational Institutions/ Incubation units/Research Parks/ATLs in Schools to Provide/Receive Handholding/mentoring Support exclusively for promoting innovation and start-up in your HEI.		50
6.2	Formal Collaboration Linkages (MoUs) with Repute Industry Associations/ National Knowledge Agencies and Ecosystem Enablers (Govt. agencies) to promote and support Innovation and Start-up Agenda in campus/region.		50
Parameter 7: Intellectual Property (IP), Generation and Commercialization (Annual Calendar 2020 & 2021):		0.25	100
7.1	Number of Copyrights/Designs Obtained during the Annual Calendar Year 2020 & 2021		15
7.2	Number of Patents Filed during the Annual Calendar Year 2020 & 2021		15
7.3	Number of Patents Published during the Annual Calendar Year 2020 & 2021		20
7.4	Number of Patents Granted during the Annual Calendar Year:2020 & 2021		25
7.5	Number of Technologies (Patents/Non-Patents) Commercialized/Transferred during the Financial Year 2020-21 and 2021-22		25
Total		1.00	700.00

Approach & Multiplier Impact Creation: Integration of Policy Programs

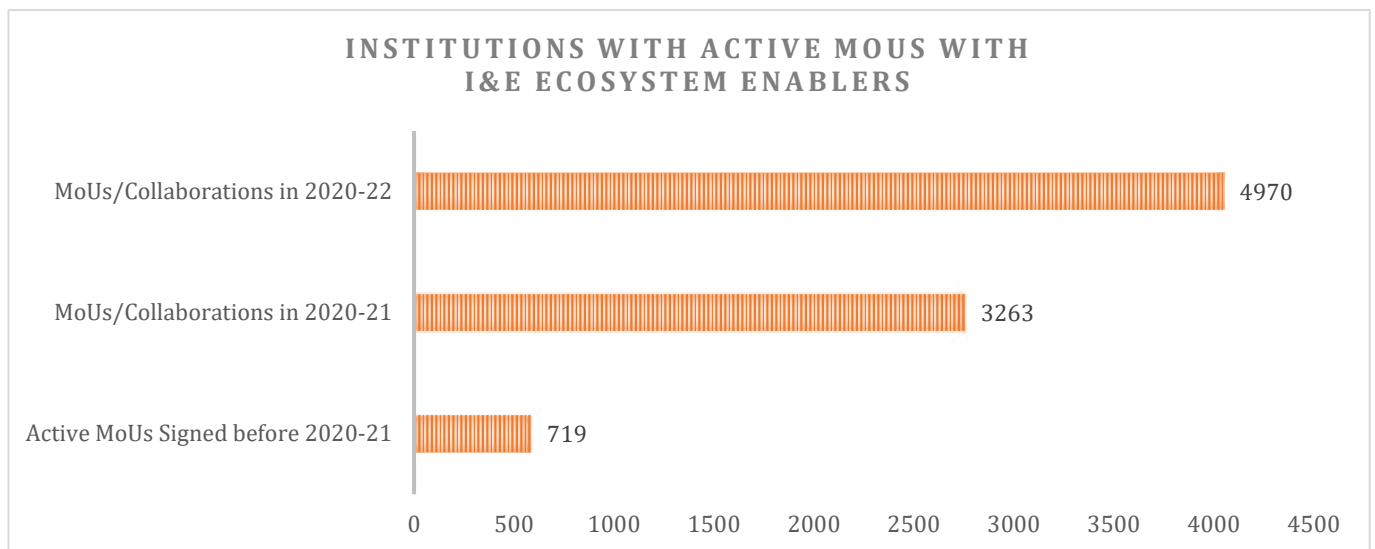
Ecosystem benchmarking practices in HEIs using the NIRF-Innovation Ranking Framework and implementation in integration with other innovation and entrepreneurship initiatives at Ministry of Education such as performance of Institution's Innovation Council (IIC) established in institute and adoption of National Innovation and Start-up Policy (NISP) and YUKTI Innovation Repository (YIR) to create a multiplier impact.



Building a Strong Pipeline of Innovations and Start-ups from HEIs: A Networked System of Innovation Movement

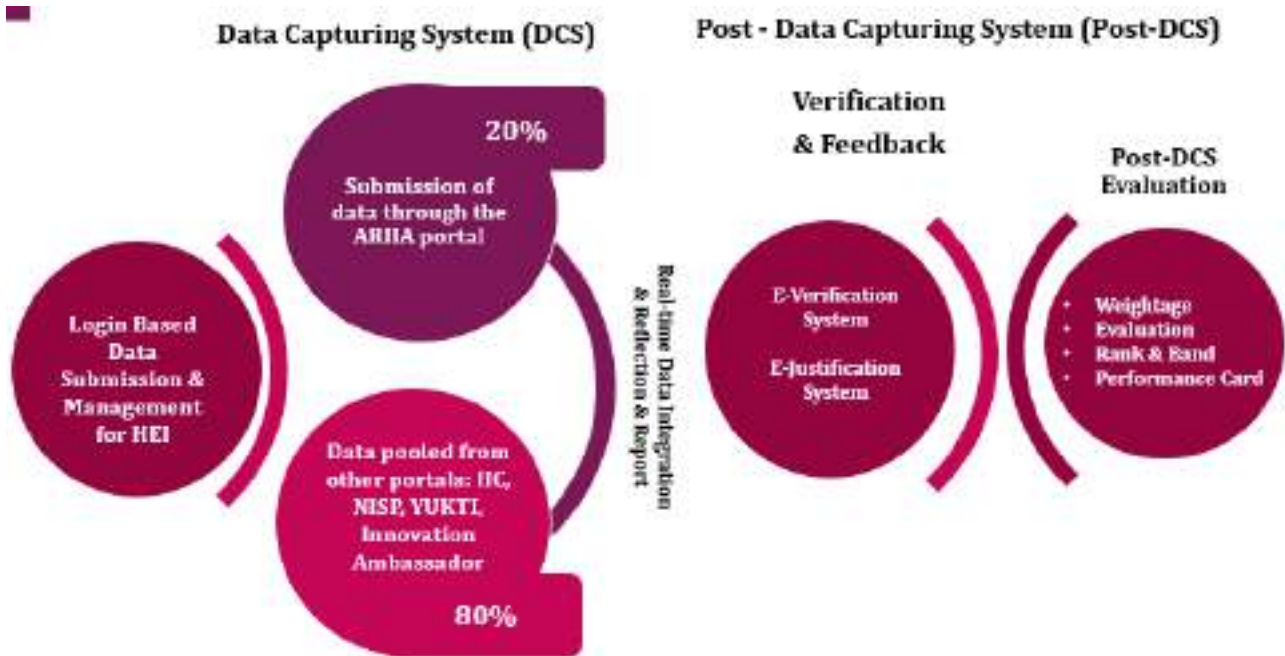


HEIs Collaborate with Diverse Ecosystem Enablers to Strengthen the Services and Support to Innovations and Start-ups in HEIs.



Data Capturing System, Verification and Performance Card:

Institutions submit data using the Data Capturing System (DCS) which facilitates data capturing from HEIs and fetches institution's performance related information from other programs such as IIC, NISP, YUKTI-Innovation Repository, and Innovation Ambassador portals etc. This integration of data capturing and fetching has reduced data submission efforts at the institute level by checking redundancy and increased efficiency in terms of bringing more transparency and more cleaned data verified at the source. Submitted applications go through a multiple stage of screening, verifications and justifications to make it ready for further evaluation based on the weightages assigned to parameters, and Key Performance Indicators (KPIs) to generate ranks and bands. Performance card provides a graphical representation of the institution's overall performance along with parameter and sub-parameters wise strong and weak areas for development with indication of desired average score range for respective components. In the institute's login page, final report, performance card and e-certificate are available for download.



NIRF - Innovation Ranking 2023 HEIs Positioned in the Rank Band of 1-10

Sr. No	Institute ID	AISHE Code	Institute Name	State	Rank
1	ARI-I-1075	U-0517	Indian Institute of Technology Kanpur	Uttar Pradesh	1
2	ARI-U-0456	U-0456	Indian Institute of Technology Madras	Tamil Nadu	2
3	ARI-U-0013	U-0013	Indian Institute of Technology Hyderabad	Telangana	3
4	ARI-I-1074	U-0100	Indian Institute of Technology Delhi	Delhi	4
5	ARI-U-0560	U-0560	Indian Institute of Technology Roorkee	Uttarakhand	5
6	ARI-U-0220	U-0220	Indian Institute of Science	Karnataka	6
7	ARI-U-0306	U-0306	Indian Institute of Technology Bombay	Maharashtra	7
8	ARI-U-0455	U-0455	Indian Institute of Information Technology, Design & Manufacturing, Kancheepuram	Tamil Nadu	8
9	ARI-U-0263	U-0263	National Institute of Technology Calicut	Kerala	8
10	ARI-U-0701	U-0701	Indian Institute of Technology (Banaras Hindu University) Varanasi	Uttar Pradesh	10

NIRF - Innovation Ranking 2023

HEIs Positioned in the Band of 11-50*

Institute ID	Institute Name	State	Institute Category
ARI-U-0496	Aligarh Muslim University	Uttar Pradesh	Institute of National Importance & Central Universities/CFTIs
ARI-U-0497	Amity University	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-U-0006	Andhra University, Visakhapatnam	Andhra Pradesh	An Affiliating University
ARI-U-0444	Avinashilingam Institute For Home Science And Higher Education For Women	Tamil Nadu	University & Deemed to be University (Govt. & Govt. Aided)
ARI-U-0445	B. S. Abdur Rahman Crescent Institute of Science and Technology	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-U-0747	Chandigarh University	Punjab	University & Deemed to be University (Private/Self-Financed)
ARI-U-0373	Chitkara University	Punjab	University & Deemed to be University (Private/Self-Financed)
ARI-C-41593	College of Engineering Pune	Maharashtra	Colleges/Institutes (Govt. & Govt. Aided)
ARI-U-0098	Delhi Technological University	Delhi	University & Deemed to be University (Govt. & Govt. Aided)
ARI-U-0374	Dr. B R Ambedkar National Institute of Technology, Jalandhar	Punjab	Institute of National Importance & Central Universities/CFTIs
ARI-A-44753	Dr. SNS Rajalakshmi College of Arts and Science (Autonomous)	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-S-88	Entrepreneurship Development Institute of India	Gujarat	Colleges/Institutes (Private / Self-Financed)
ARI-U-0643	Galgotias University	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-U-0513	GLA University, Mathura	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-C-25171	Government Engineering College Bikaner	Rajasthan	Colleges/Institutes (Govt. & Govt. Aided)
ARI-U-0136	Gujarat University	Gujarat	An Affiliating University
ARI-S-8967	Indian Institute of Management Kashipur	Uttarakhand	Institute of National Importance & Central Universities/CFTIs
ARI-U-0053	Indian Institute of Technology Guwahati	Assam	Institute of National Importance & Central Universities/CFTIs
ARI-U-0573	Indian Institute of Technology Kharagpur	West Bengal	Institute of National Importance & Central Universities/CFTIs
ARI-U-0184	Indian Institute of Technology Mandi	Himachal Pradesh	Institute of National Importance & Central Universities/CFTIs
ARI-U-0308	Institute of Chemical Technology	Maharashtra	University & Deemed to be University (Govt. & Govt. Aided)
ARI-U-0458	Kalasalingam Academy of Research And Education	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-S-4863	Kalinga Institute of Industrial Technology Khordha	Odisha	University & Deemed to be University (Private/Self-Financed)
ARI-C-16611	KCG College of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-212	L. D. College of Engineering	Gujarat	Colleges/Institutes (Govt. & Govt. Aided)

ARI-C-1331	M. S. Ramaiah Institute of Technology	Karnataka	Colleges/Institutes (Private / Self-Financed)
ARI-C-45291	M.Kumarasamy College of Engineering	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-1345	P.E.S. College of Engineering, Mandya	Karnataka	Colleges/Institutes (Govt. & Govt. Aided)
ARI-U-0078	Panjab University	Chandigarh	An Affiliating University
ARI-U-0763	Parul University	Gujarat	University & Deemed to be University (Private/Self-Financed)
ARI-U-0470	Periyar University	Tamil Nadu	An Affiliating University
ARI-C-41124	PSG College of Arts and Science	Tamil Nadu	Colleges/Institutes (Govt. & Govt. Aided)
ARI-C-37013	PSG College of Technology	Tamil Nadu	Colleges/Institutes (Govt. & Govt. Aided)
ARI-U-0541	Sharda University	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-U-0200	Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir, Srinagar	Jammu and Kashmir	University & Deemed to be University (Govt. & Govt. Aided)
ARI-C-36995	Sri Krishna College of Engineering And Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-16476	Sri Sai Ram Institute of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-U-0489	Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-U-0490	Vellore Institute of Technology	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-I-1015	Vishwakarma Institute of Technology	Maharashtra	Colleges/Institutes (Private / Self-Financed)

HEIs Positioned in the Band of 51-100*

Institute ID	Institute Name	State	Institute Category
ARI-C-10224	Aarupadai Veedu Institute of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-36984	Bannari Amman Institute of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-1406	C M R Institute of Technology	Karnataka	Colleges/Institutes (Private / Self-Financed)
ARI-C-10342	Chandigarh Engineering College	Punjab	Colleges/Institutes (Private / Self-Financed)
ARI-C-1413	Dayananda Sagar College of Engineering	Karnataka	Colleges/Institutes (Private / Self-Financed)
ARI-A-44489	Dr MGR Educational and Research Institute	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-U-0938	Dr. Vishwanath Karad MIT World Peace University Pune	Maharashtra	University & Deemed to be University (Private/Self-Financed)
ARI-C-37099	Erode Sengunthar Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-27091	Francis Xavier Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-18817	G H Raisoni College of Engineering, Nagpur	Maharashtra	Colleges/Institutes (Private / Self-Financed)
ARI-C-46904	Goel Institute of Technology And Management, Lucknow	Uttar Pradesh	Colleges/Institutes (Private / Self-Financed)
ARI-U-0555	Graphic Era University	Uttarakhand	University & Deemed to be University (Private/Self-Financed)

ARI-A-44420	IIMT University	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-C-19706	Institute of Aeronautical Engineering	Telangana	Colleges/Institutes (Private / Self-Financed)
ARI-C-34048	K. J. Somaiya Institute of Engineering And Information Technology	Maharashtra	Colleges/Institutes (Private / Self-Financed)
ARI-C-39247	K.S.Rangasamy College of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-U-0459	Karpagam Academy of Higher Education	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-U-0460	Karunya Institute of Technology and Sciences	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-C-46111	KIET Group of Institutions	Uttar Pradesh	Colleges/Institutes (Private / Self-Financed)
ARI-U-0020	Koneru Lakshmaiah Education Foundation (Deemed to be University)	Andhra Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-C-37065	Kongu Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-36999	KPR Institute of Engineering and Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-U-0379	Lovely Professional University	Punjab	University & Deemed to be University (Private/Self-Financed)
ARI-U-0234	Manipal Academy of Higher Education-Manipal	Karnataka	University & Deemed to be University (Private/Self-Financed)
ARI-C-27058	Mepco Schlenk Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-U-0891	MIT Art, Design and Technology University, Pune, India	Maharashtra	University & Deemed to be University (Private/Self-Financed)
ARI-C-19753	MLR Institute of Technology	Telangana	Colleges/Institutes (Private / Self-Financed)
ARI-C-19569	Padmasri Dr. B.V. Raju Institute of Technology	Telangana	Colleges/Institutes (Private / Self-Financed)
ARI-U-0147	Pandit Deendayal Energy University	Gujarat	University & Deemed to be University (Private/Self-Financed)
ARI-C-16620	Panimalar Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-16497	R. M. K. College of Engineering and Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-16614	R.M.K. Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-16626	Rajalakshmi Engineering College	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-45287	Rathinam Technical Campus	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-U-0725	Reva University	Karnataka	University & Deemed to be University (Private/Self-Financed)
ARI-U-0473	S.R.M. Institute of Science and Technology	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-U-0474	Sathyabama Institute of Science and Technology	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-A-44734	Saveetha Institute of Medical And Technical Sciences	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-C-18886	Shri Ramdeobaba College of Engineering and Management	Maharashtra	Colleges/Institutes (Private / Self-Financed)
ARI-C-36947	SNS College of Technology	Tamil Nadu	Colleges/Institutes (Private / Self-Financed)
ARI-C-26929	Sree Vidyanikethan Engineering College	Andhra Pradesh	Colleges/Institutes (Private / Self-Financed)

ARI-U-0649	Sri Sri University	Odisha	University & Deemed to be University (Private/Self-Financed)
ARI-C-19780	St. Martin's Engineering College	Telangana	Colleges/Institutes (Private / Self-Financed)
ARI-U-0544	Teerthanker Mahaveer University	Uttar Pradesh	University & Deemed to be University (Private/Self-Financed)
ARI-C-19650	Vardhaman College of Engineering	Telangana	Colleges/Institutes (Private / Self-Financed)
ARI-C-18010	Velagapudi Ramakrishna Siddhartha Engineering College	Andhra Pradesh	Colleges/Institutes (Private / Self-Financed)
ARI-U-0491	Vels Institute of Science Technology & Advanced Studies (VISTAS) -Chennai	Tamil Nadu	University & Deemed to be University (Private/Self-Financed)
ARI-C-41497	Vishwakarma Institute of Information Technology	Maharashtra	Colleges/Institutes (Private / Self-Financed)
ARI-U-0250	Yenepoya University	Karnataka	University & Deemed to be University (Private/Self-Financed)
ARI-C-18254	Yeshwantrao Chavan College of Engineering	Maharashtra	Colleges/Institutes (Private / Self-Financed)

Please visit result dashboard at www.ariia.gov.in for more bands and category wise display of HEIs.

Institute can download the e-certificate, report and performance card from the login page.

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Ministry of Education's Innovation Cell
All India Council for Technical Education
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COLLEGIATE EDUCATION
& TECHNICAL EDUCATION
DEPARTMENT
GOVT. OF TELANGANA



Certificate of Appreciation

This Certificate is issued to 'MLR Institute of Technology'
in recognition for achieving Rank in

201-250
BAND
★★★
in
NIRF India Rankings 2021

DIRECTOR
Institute for Academic Excellence, Hyderabad



Category: 'ENGINEERING'

Date: 21-10-2021

COMMISSIONER
Collegiate Education & Technical Education Department,
Telangana State



India Rankings 2020: Engineering (Rank-band: 251-300)

Institution list in alphabetical order

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Name	City	State
A M C College of Engineering	Bengaluru	Karnataka
Ajay Kumar Garg Engineering College	Ghaziabad	Uttar Pradesh
Ambedkar Institute of Advanced Communication Technologies and Research	Delhi	Delhi
Bengal Institute of Technology	Kolkata	West Bengal
Bhagwan Parshuram Institute of Technology	Delhi	Delhi
Bharati Vidyapeeth's College of Engineering	New Delhi	Delhi
Bhilai Institute of Technology	Durg	Chhattisgarh
Birla Vishvakarma Mahavidyalaya	Vallabh Vidyanagar	Gujarat
CMR College of Engineering & Technology	Hyderabad	Telangana
Dr. Ambedkar Institute of Technology	Bengaluru	Karnataka
Dr. Mahalingam College of Engineering and Technology	Pollachi	Tamil Nadu
Fr. Conceicao Rodrigues College of Engineering	Mumbai	Maharashtra
Galgotias University	Gautam Budh Nagar	Uttar Pradesh
Gandhi Engineering College (GEC)	Bhubaneswar	Odisha
Godavari Institute of Engineering & Technology	Rajahmundry	Andhra Pradesh
Government College of Engineering	Salem	Tamil Nadu
Guru Nanak Dev Engineering College	Ludhiana	Punjab
JIS College of Engineering	Kalyani	West Bengal
JSS Academy of Technical Education	Bengaluru	Karnataka
Jyothy Institute of Technology	Bengaluru	Karnataka
K. J. Somaiya Institute of Engineering & Information Technology	Mumbai	Maharashtra
Kamaraj College of Engineering & Technology	Madurai	Tamil Nadu
Karpagam College of Engineering	Coimbatore	Tamil Nadu
Lakshmi Narain College of Technology	BHOPAL	Madhya Pradesh
M. G. R. Educational and Research Institute	Chennai	Tamil Nadu
Maharaja Agrasen Institute of Technology	Delhi	Delhi
Maharaja Surajmal Institute of Technology	New Delhi	Delhi
Meenakshi Sundararajan Engineering College	Chennai	Tamil Nadu
MLR Institute of Technology	Hyderabad	Telangana
MVSR Engineering College	HYDERABAD	Telangana
National Institute of Technology Delhi	Delhi	Delhi



National Institutional Ranking Framework
Ministry of Education
Government of India

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Institution list in alphabetical order

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A M C College of Engineering	Bengaluru	Karnataka
Ajay Kumar Garg Engineering College	Ghaziabad	Uttar Pradesh
Ambedkar Institute of Advanced Communication Technologies and Research	Delhi	Delhi
Bengal Institute of Technology	Kolkata	West Bengal
Bhagwan Parshuram Institute of Technology	Delhi	Delhi
Bharati Vidyapeeth's College of Engineering	New Delhi	Delhi
Bhilai Institute of Technology	Durg	Chhattisgarh
Birla Vishvakarma Mahavidyalaya	Vallabh Vidyanagar	Gujarat
CMR College of Engineering & Technology	Hyderabad	Telangana
Dr. Ambedkar Institute of Technology	Bengaluru	Karnataka
Dr. Mahalingam College of Engineering and Technology	Pollachi	Tamil Nadu
Fr. Conceicao Rodrigues College of Engineering	Mumbai	Maharashtra
Galgotias University	Gautam Budh Nagar	Uttar Pradesh
Gandhi Engineering College (GEC)	Bhubaneswar	Odisha
Godavari Institute of Engineering & Technology	Rajahmundry	Andhra Pradesh
Government College of Engineering	Salem	Tamil Nadu
Guru Nanak Dev Engineering College	Ludhiana	Punjab
JIS College of Engineering	Kalyani	West Bengal
JSS Academy of Technical Education	Bengaluru	Karnataka
Jyothy Institute of Technology	Bengaluru	Karnataka
K. J. Somaiya Institute of Engineering & Information Technology	Mumbai	Maharashtra
Kamaraj College of Engineering & Technology	Madurai	Tamil Nadu
Karpagam College of Engineering	Coimbatore	Tamil Nadu
Lakshmi Narain College of Technology	BHOPAL	Madhya Pradesh
M. G. R. Educational and Research Institute	Chennai	Tamil Nadu
Maharaja Agrasen Institute of Technology	Delhi	Delhi
Maharaja Surajmal Institute of Technology	New Delhi	Delhi
Meenakshi Sundararajan Engineering College	Chennai	Tamil Nadu
MLR Institute of Technology	Hyderabad	Telangana
MVSR Engineering College	HYDERABAD	Telangana
National Institute of Technology Delhi	Delhi	Delhi
Netaji Subhash Engineering College	Kolkata	West Bengal
Prof. Ram Maghe Institute of Technology & Research	Badnera Amravati	Maharashtra
R. M. K. College of Engineering and Technology	Thiruvallur	Tamil Nadu
R. N. S. Institute of Technology	Bengaluru	Karnataka
Rajagiri School of Engineering and Technology	Ernakulam	Kerala
Rajeev Gandhi Memorial College of Engineering and Technology	Nandyal	Andhra Pradesh
Saji Rama Krishnam Raju Engineering College	Bhimavaram	Andhra Pradesh
Shah & Anchor Kutchhi Engineering College	Mumbai Suburban	Maharashtra



India Rankings 2018: Engineering (Rank-band: 151-200)

Institution list in alphabetical order

[Back](#)

Name	City	State
A. M. C. College of Engineering	Bengaluru	Karnataka
Academy of Technology	Hooghly	West Bengal
Bengal Institute of Technology	Kolkata	West Bengal
Bhilai Institute of Technology	Durg	Chhattisgarh
BNM Institute of Technology	Bengaluru	Karnataka
Chitkara University	Rajpura	Punjab
Dr. Mahalingam College of Engineering and Technology	Pollachi	Tamil Nadu
E. G. S. Pillay Engineering College	Nagapattinam	Tamil Nadu
G. L. Bajaj Institute of Technology and Management	Greater Noida	Uttar Pradesh
Gayatri Vidya Parishad College of Engineering	Visakhapatnam	Andhra Pradesh
Goka Raju Ranga Raju Institute of Engineering & Technology	Hyderabad	Telangana
Haldia Institute of Technology	Haldia	West Bengal
Indian Institute of Information Technology, Design & Manufacturing, Kancheepuram	Chennai	Tamil Nadu
JNTUA College of Engineering	Anantapur	Andhra Pradesh
JSS Academy of Technical Education	Bengaluru	Karnataka
K. J. Somaiya College of Engineering	Mumbai	Maharashtra
Karpagam College of Engineering	Coimbatore	Tamil Nadu
KIET Group of Institutions	Ghaziabad	Uttar Pradesh
KLE Technological University	Dharwad	Karnataka
KPR Institute of Engineering and Technology	Coimbatore	Tamil Nadu
Lakshmi Narain College of Technology	Bhopal	Madhya Pradesh
M. G. R. Educational and Research Institute	Chennai	Tamil Nadu
Maharaja Sayajirao University of Baroda	Vadodara	Gujarat
Maharaja Surajmal Institute of Technology	New Delhi	Delhi
Maharshi Karve Stree Shikshan Samstha 's Cummins College of Engineering for Women	Pune	Maharashtra
Malla Reddy Engineering College for Women	Hyderabad	Telangana
Malnad College of Engineering	Hassan	Karnataka
ManavRachna International Institute of Research & Studies	Faridabad	Haryana
MLR Institute of Technology	Hyderabad	Telangana
Muffakham Jah College of Engineering and Technology	Hyderabad	Telangana



India Rankings 2017: Engineering (Rank-band: 151-200)

Institution list in alphabetical order

[Back](#)

Name	City	State
ABES Engineering College	Ghaziabad	Uttar Pradesh
Academy of Technology	Hooghly	West Bengal
All India Shri Shivaji Memorial Society's College of Engineering	Pune	Maharashtra
Annamalai University	Annamalainagar	Tamil Nadu
B V V Sangha's Basaveshwar Engineering College	Bagalkot	Karnataka
Bhilai Institute of Technology	Durg	Chhattisgarh
Birla Vishvakarma Mahavidyalaya	Vallabh Vidyanagar	Gujarat
Easwari Engineering College	Chennai	Tamil Nadu
Fr. C. Rodrigues Institute of Technology	Navi Mumbai	Maharashtra
Fr. Conceicao Rodrigues College of Engineering	Mumbai	Maharashtra
Francis Xavier Engineering College	Tirunelveli	Tamil Nadu
GMR Institute of Technology	Rajam	Andhra Pradesh
Gokaraju Rangaraju Institute of Engineering & Technology	Hyderabad	Telangana
Haldia Institute of Technology	Haldia	West Bengal
Institute of Aeronautical Engineering	Hyderabad	Telangana
JNTUA College of Engineering	Anantapur	Andhra Pradesh
JNTUH College of Engineering	Hyderabad	Telangana
JSS Academy of Technical Education	Bengaluru	Karnataka
K S R College of Engineering	Tiruchengode	Tamil Nadu
K.L.S. Gogte Institute of Technology	Belgaum	Karnataka
Kakatiya Institute of Technology & Science	Warangal	Telangana
Kasegaon Education Society's Rajarambapu Institute of Technology	Islampur	Maharashtra
KIET Group of Institutions	Ghaziabad	Uttar Pradesh
Kurukshetra University	Kurukshetra	Haryana
M.G.R. Educational and Research Institute	Chennai	Tamil Nadu
Maharaja Surajmal Institute of Technology	New Delhi	Delhi
Maharishi Markandeshwar University	Ambala	Haryana
Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women	Pune	Maharashtra
Mahatma Gandhi Institute of Technology	Hyderabad	Telangana
MLR Institute of Technology	Hyderabad	Telangana
National Engineering College	Kovilpatti	Tamil Nadu
National Institute of Science & Technology	Berhampur	Odisha
National Institute of Technology Nagaland	Dimapur	Nagaland
North Eastern Regional Institute of Science & Technology	Itanagar	Arunachal Pradesh
Padmasri Dr. B.V. Raju Institute of Technology	Medak	Telangana

Academic Audit Reports

MLR Institute of Technology
Academic Audit of Computer Science/ IT and Allied Departments

21st March 2023

By

Prof. Salman Abdul Moiz
School of Computer and Information Sciences
University of Hyderabad



The Academic Audit was carried out to assess the strengths, weaknesses and identify areas of improvement of few Departments and general facilities at MLR Institute of Technology on 21st March 2023.

The following facilities were visited and examined

- (a) Centre for Innovation and Entrepreneurship
- (b) Artificial Intelligence, COE-Virtusa and other Collaborative Centres
- (c) IP Cell
- (d) Research, Development & Consultancy
- (e) Media Centre
- (f) IQAC
- (g) Interaction with Heads of Departments of CSE, CSE-AI&ML, CSE-DS & Cyber Security, CSIT, IT
- (h) Interaction with Faculty members of CSE, CSE-AI&ML, CSE-DS & Cyber Security, CSIT, IT

The following are the general strengths of the College:

- Good and Clean Campus
- Good Infrastructure
- Emphasis and support given to Sports
- Incentives to Faculty for Publications, Research Projects etc.
- Few of the processes are well defined.
- Ample support on Innovation & Entrepreneurship.
- An active IQAC Cell

I. Centre for Innovation & Entrepreneurship

- Strengths
 - 21 Startups, 18 registered with TM Registrations
 - College providing seed funding @5Lakhs per idea
 - Good infrastructure and space provided with support of Patenting
- Suggested Improvements
 - The centre can float a Mandatory Course with atleast one credit for all students. This will motivate the students for Innovation & Entrepreneurship.
 - National Innovation and Start up Policy inline with NISP-2017 should be decided and uploaded on portal.
 - Angel Investors need to be invited and strengthened.
 - Handholding the student ideas till they convert into private enterprise with prior business models in place.
 - Faculty/mentors to be registered as Non-Executive Directors of the registered startup firms.



II. Artificial Intelligence, COE Virtusa and Other Collaborative centres

- Strengths
 - Good Infrastructure
 - Research Centre approved by JNTUH with 4 registered supervisors.
 - Motivated Staff
- Suggested Improvements
 - Leverage benefits to the Institutions from Industry in addition to placing and training students.
 - More ideas need to be planned.
 - Though six teams can participate in SMART INDIA Hackathon and other events. But other unselected ideas need to be taken forward by providing proper guidance and support.

III. IP Cell

- Strengths
 - IP Cell funded by MSME
 - Supports Patent filing
 - 104 utility patents filed, 1 granted.
- Suggested Improvements
 - Provide the IP Support to other external agencies or Institutions and generate funds

IV. Research, Development & Consultancy

- Strengths
 - Research incentives policy in place for Publications and funded Project
- Suggested Improvements
 - Faculty may be motivated to publish more in SCI/SCIE Journals
 - Consultancy Policy is not in place. A well defined consultancy policy is required to motivate the faculty to take up the consultancy assignment
 - Funded projects are very less. This needs to be strengthened and increased.
 - It is suggested to form research groups (Clusters) and these groups will work on particular areas and aim for funded projects in the said clusters.

V. Media Centre

- Strengths
 - A recording centre with proper infrastructure, software and staff is in place
- Suggested Improvements
 - The faculty members have to aim to develop course contents in some specialized areas which can be offered to other institutions as per NEP-2020. This will help in credit transfers with Academic Bank of Credits (ABC)
 - An FDP on OER, e-content development has to be conducted by IQAC or Media Centre to motivate and encourage the faculty members.



VI. IQAC

- Strengths
 - Faculty Induction Program for newly joined faculty members
 - Proper Calendar for IQAC activities
 - Continuous feedback given to the Faculty and the Departments
 - Feedback from all stakeholders is collected and analyzed.
 - Cambridge Certification planned for the faculty to improve their Communication Skills after taking the Diagnostic tests.

- Suggested Improvements
 - Course outcomes in most the courses is not meeting the Blooms Taxonomy
 - Attracting good faculty seems to be challenging
 - Course attainments are not shown properly in the course files
 - Faculty Induction Program need to have rubrics for assessment in line with Technical Teachers Training Program.
 - Feedback form should include a memo/text field for any suggestions.
 - As self evaluation report and course files are checked at frequent intervals of time, this reduces the teachers effort towards teaching and research and they tend to give more concentration on documentation. This needs to be addressed on top priority.
 - Course allocation to be completed atleast one month before starting of the semester.
 - Course files need to be ready before starting of the semester. (This requires only one evaluation by the IQAC). Minor changes to be taken care of by the Heads of the Departments.
 - Multiple teachers offering same course should collectively prepare only single lecture notes.
 - Digital copies (with plagiarism of less than 20%) can be used in lecture notes, rather than restricting to hard copies of lecture notes.
 - Possible Academic Autonomy to be given to the faculty members
 - AICTE 2019 guidelines have to be adopted for promotion of faculty members. The APARs to be collected based on AICTE 2019 regulations.
 - 360 degree feedback is missing
 - Backlogs policy to be framed properly. A student should not carry backlogs of the first two years till 4th year of study.
 - No outreach activity is seen in the entire college
 - IQAC has to take initiative in conducting lectures on
 - “How to write Research proposals”
 - “National Education Policy-2020”
 - “Academic Bank of Credits”
 - “Technical Writing”
 - “Plagiarism & Ethics” .

VII. Interaction with Heads and Faculty members of CSE, CSE-AI & ML, CSE-DS & Cyber Security, CSIT and IT Departments

- Strengths
 - Qualified faculty members.
 - Faculty seems to be satisfied with the students.



- Suggested Improvements

- No time for research as most of the time is spent in repeated documentation of various reports, course files, attendance, marks entry etc.
- Course outcomes - attainment levels are missing in course files. CO-PO mapping to be improved.
- Duplicated documentation to be avoided.
- Attendance ERP system needs rectification
- Salary structure should be regularized. It is noted in some cases that senior and junior faculty are paid the same salary.
- Possible Academic Autonomy to be given to motivate faculty members to carry out research and outreach activities.
- Faculty should be included in Provident Fund (PF) and other possible schemes
- Faculty student ratio seems to be high. More faculty need to be recruited.
- It is suggested to streamline the pay scale (VII Pay) and give an off on atleast one Saturday to motivate and retain faculty members.
- Faculty feels that they are not respected by higher ups, non-teaching staff etc. A proper ecosystem is to be created for better health of the institution.
- Module coordinators need to be strengthened in line with research groups or clusters to enhance teaching-learning process.

It is further suggested to consider the Suggested Improvements of Item no. VII, VI and IV on priority.



Salman Abdul Moiz
Professor
School of Computer & Info., Sciences
University of Hyderabad

Format for Department Academic Audit

Name of the Department : Computer Science & Engg

Date : 26-06-2019

Name, Designation and Address of Academic Audit Experts: DR. M. Chandra Mohan
Professor of CSE, Dept. of CSE
& Additional Controller of Exams
JNTU Hyderabad, Kukatpally - HYD
-T.S

Members of Staff Present:

Criterion	Items	Verification Yes / No	Comments	Suggestions for improvement
I. Curriculum	Steps followed in the designing of syllabus & curriculum	Yes	Systematically followed procedure	Feed back on each course collection from already completed students can be considered.
	Contents of the Curriculum	Yes	Excellent	Advanced topics can be included time to time.
	Validation done	Yes	As per C.D of each course	
	IDC / EDC	-	-	-
	Credits allotted / distribution - logic	Yes	As per AICTE	

Curriculum Transaction	Teaching methods & teaching aids	Yes	Good	online courses like SWAYAM shall be encouraged more.
	E-learning modules	yes	NPTL are in use	MOOCs can be included.
	Project work UG/PG	yes	Good	More & More students shall be encourage to do live projects.
	Internal assessment – components – Uniqueness	yes	As per academic regulations, four sets of question papers are in use.	
	Student support – remedial coaching	Yes		
	Parents meeting – evaluation of student's progress	yes		
	Feedback from students	yes	Both online & offline is collected which seems to be a best practice	
	Steps taken on the feedback	Yes	Sufficient training is encourage in technical aspects	personality development & communication skills improvement training shall be encouraged.

Faculty Profile	Projects completed / on going	Yes	1 completed 3 on going	Staff may be encouraged for more number of project proposals.
	Seminars / conferences attended	Yes	Significant ^{no. of} faculty attended +	More no. of faculty may be encouraged.
	Papers / articles / books published	Yes	Good in number	
	FDP / RC / OC / Training Program / Workshop	Yes	Good no. of faculty attended	
	Preparation of E-learning materials / Content	NO		Necessary action may be initiated.
	Acted as resource persons	Yes	Less in number	
	M.Phil. & Ph. D awarded	Yes	Good no. of faculty awarded with PhD degree.	

Profile of Students	Demand ratio (Applications received Vs Sanctioned Strength)	Yes		
	Students involvement in extra-curricular & Co-curricular activities	Yes		
	Study tour / industrial visits / exhibitions / Internship / Training	Yes		
	Achievements	Yes		

Infrastructure in the Department	No. of class rooms	Yes	AS PER NORMS	
	No. of laboratories	Yes	AS PER NORMS	
	No. of computers – for teachers	Yes	upto Associate professor provided.	
	No. of computers – for students	Yes	AS PER NORMS	
	No. of computers – research scholars	—	—	—
	No. of instruments	—	—	—

VI.0 Activities of the Department	MoUs signed	Yes	Good in number	
	Consultancy	Yes	Very less	Efforts may be put for improving Consultancy.
	Collaborations	Yes	Good in number	
	Association Meetings	Yes		
	Guest lectures	Yes		
	Conference / Seminar / Workshop conducted	Yes	Good in number	
	Extension Activity	Yes		
	Interaction with Industry / Research Centres / Educational Institutions	Yes		

	Newsletters / Magazine	yes		
	Placement	yes	Excellent	

Please comment on SWOC Analysis :

Strength: Academic procedures strictly following without any deviation.

Weakness: Even though excellent faculty are available, they are not able to get good no. of projects due to, it is a private institute.

Opportunities: Consultancy can be encouraged

Challenges: Since computer science & Engg discipline is having fast changes in technology. adapting them into course time to time for industry needs.

Best Practice (s) / Innovations of the Department: Two types of (on-line & off-line) student feedback, Training the faculty as per the need based on emerging technologies.

Future Plans of the Department:

Signature of the HoD with Seal


Signature of the Academic Audit Experts 26/6/2019

Details of Follow up Actions

Circular No.: MLRIT/IQAC/2023/19

Date: 23.08.2023

CIRCULAR

Subject: IQAC Meeting - Reg

A meeting of the IQAC will be held on 26-8-2023 from 2:00 p.m. onwards in the conference room to discuss the following agenda:

1. Confirmation of the proceedings of the last meeting held on 4th April 2023.
2. Review of the Feedback analysis reports A.Y.2022-23
3. Review of result analysis batch wise till date.
4. Review of Annual Quality Assurance Report (including the external audit and actions taken thereof).

All the HoDs, CoE, R&D in-charge and IQAC members are requested to make it convenient to attend the meeting.


23/8/23
Dean, IQAC


PRINCIPAL

Copy submitted to: The Secretary for Information

Copy to: All HODs for information and N.A.

ECE	CSE	IT	Mech	Aero	EEE	MBA	S&H	Exam cell	T&P cell	Transport	Phy.Edu	Library

1. A.O. - Office File

2. Dean's

Minutes of the Meeting

A meeting of the internal quality assurance cell (IQAC), MLR Institute of Technology, Dundigal, Hyderabad was held at 2.00 PM on 26th Aug. 2023 in the conference room, AK block on the campus.

Members Present:

S. No.	Name	Member Details	IQAC Details
1.	Dr. K. Srinivas Rao	Principal	Chairperson, IQAC
2.	Prof. S. Srinath	Ex-Director IQAC, University of Hyderabad.	External member
3.	Mr. Shanthi Kumar	Director, Workforce Planning & Management, EPAM Systems	External member
4.	Mr. Narender Reddy	Industrialist, SVS Pipes	External member
5.	Mr. K. Rishith	Roll No.20R21A026, CSE dept	Student Nominee
6.	Mr. Akhilesh	Alumni Nominee Member	Alumni Nominee Member
7.	Ms. Shreya Reddy	Management Member	Member
8.	Dr. Radhika Devi V	Dean S & H	Dean IQAC & Member Secretary
9.	Dr. M.S.N. Gupta	Head Dept. of Aero.	Member
10.	Mr. K. Sai Prasad	Head Dept. of AIML	Member
11.	Dr. A. Balaram	Head Dept. of CSE	Member
12.	Dr. P. Subhashini	Head Dept. of CSIT	Member
13.	Dr. M. Chiranjeevi	Head Dept. of DS	Member
14.	Dr. S.V.S. Prasad	Head Dept. of ECE	Member
15.	Dr. A. Sudhakar	Head Dept. of EEE	Member
16.	Dr. N. V. Rajashekar Reddy	Head Dept. of IT	Member
17.	Prof. M. Venkateswar Reddy	Head Dept. of ME	Member
18.	Dr. M. V. Narasimha Rao	Head Dept. of MBA	Member
19.	Dr. Ch. Achi Reddy	Head Dept. of S&H	Member
20.	Prof. G. Prabhakara Reddy	Controller of Examinations	Member
21.	Dr. P. Pramod Kumar	Assoc. Prof., ME	IQAC Ex officio member
22.	Dr. Rajan Singh	Assoc. Prof., ECE	IQAC Ex officio member
23.	Dr. K. Arvind Kumar	Assistant Prof. – S & H	IQAC Ex officio member

The meeting started with the Chairman's welcome to all members to IQAC meeting. Following this, the Chair advised Dean, IQAC to proceed for the presentation. Dean, IQAC thanked the Chair and started the presentation.

Agenda No.1

Confirmation of the proceedings of the last meeting held on 4th April 2023

Dean, IQAC presented the minutes and proceedings of the previous meeting conducted on April 4th, 2023. During this segment of the meeting, members reviewed the recorded minutes followed by its approval. (Minutes of previous meeting - Annexure-I)

Agenda No. 2

Review of the Feedback analysis (Student Satisfaction Survey) reports A.Y.2022-23

Dean, IQAC presented the students Feedback analysis (Student Satisfaction Survey) reports.

Survey questions	BRANCHES													
	AERO	AIML	CSE	CSE-AIML	CSE-CS	CSE-DS	CSIT	ECE	EEE	First yr	IT	MBA	MEC	Grand Total
Average of How much of the syllabus was covered in the class?	3.96	4.18	4.16	4.19	4.18	4.05	3.88	4.03	4.40	3.78	4.14	3.51	4.70	4.11
Average of How well did the teachers prepare for the classes?	4.27	4.21	4.23	4.31	4.29	4.29	4.12	4.21	4.29	4.32	4.21	4.33	4.61	4.26
Average of How well were the teachers able to communicate?	4.10	4.03	4.23	4.33	4.24	4.25	3.99	4.12	4.21	4.33	4.21	4.41	4.65	4.23
Average of The teacher's approach to teaching can best be described as	3.78	3.64	3.84	3.90	3.89	3.89	3.66	3.71	3.95	4.01	3.84	3.99	4.36	3.85
Average of Fairness of the internal evaluation process by the teachers.	4.32	4.36	4.31	4.38	4.36	4.45	4.10	4.17	4.48	4.42	4.37	4.45	4.59	4.34
Avg. of was your perform in assign. discussed with you?	4.06	4.18	3.99	3.96	4.07	4.13	3.89	4.01	4.36	4.14	4.10	4.23	4.70	4.08

Average of The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.	3.74	3.79	3.98	3.69	4.02	3.82	3.62	3.74	3.93	4.00	3.96	4.03	4.57	3.91
Average of The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.	3.60	4.00	3.87	3.73	4.01	3.93	3.60	3.70	4.00	4.01	3.93	3.87	4.43	3.87
Average of The institution provides multiple opportunities to learn and grow	3.91	4.08	4.09	3.98	4.16	4.08	3.95	3.87	4.17	4.25	4.11	4.05	4.55	4.07
Average of Teachers inform you about your expected competencies, course outcomes and programme outcomes.	4.00	4.28	4.21	4.18	4.27	4.17	4.14	3.89	4.31	4.29	4.26	4.12	4.66	4.18
Average of Your mentor does a necessary follow-up with an assigned task to you.	4.13	4.00	4.15	4.09	4.23	4.10	3.97	4.01	4.21	4.28	4.16	4.12	4.73	4.15
Average of The teachers illustrate the	4.08	4.23	4.21	4.21	4.33	4.28	4.09	4.07	4.21	4.44	4.22	4.39	4.74	4.23

concepts through examples and applications														
Average of The teachers identify your strengths and encourage you with providing right level of challenges.	3.64	3.87	3.91	3.79	3.98	3.92	3.65	3.68	4.05	4.10	3.96	4.10	4.53	3.90
Average of Teachers are able to identify your weaknesses and help you to overcome them	3.61	3.67	3.80	3.80	3.85	3.88	3.40	3.58	4.10	4.08	3.87	3.99	4.55	3.82
Average of The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.	3.82	4.10	4.03	4.00	4.05	4.06	3.88	3.87	4.07	4.24	4.05	3.99	4.49	4.02
Average of The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for	3.84	3.92	4.06	4.05	4.14	4.08	3.81	3.86	4.12	4.21	4.09	4.09	4.58	4.05

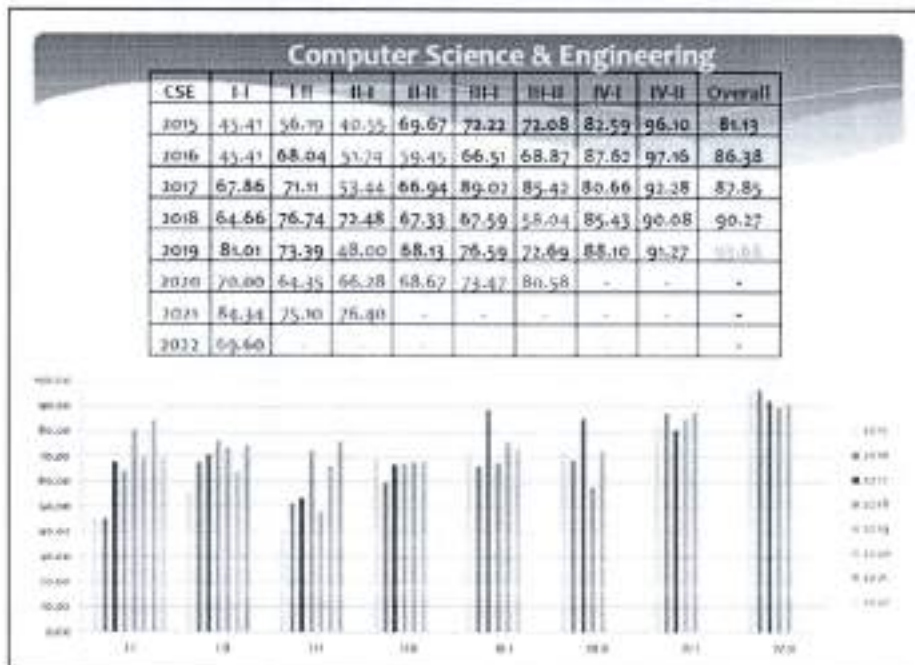
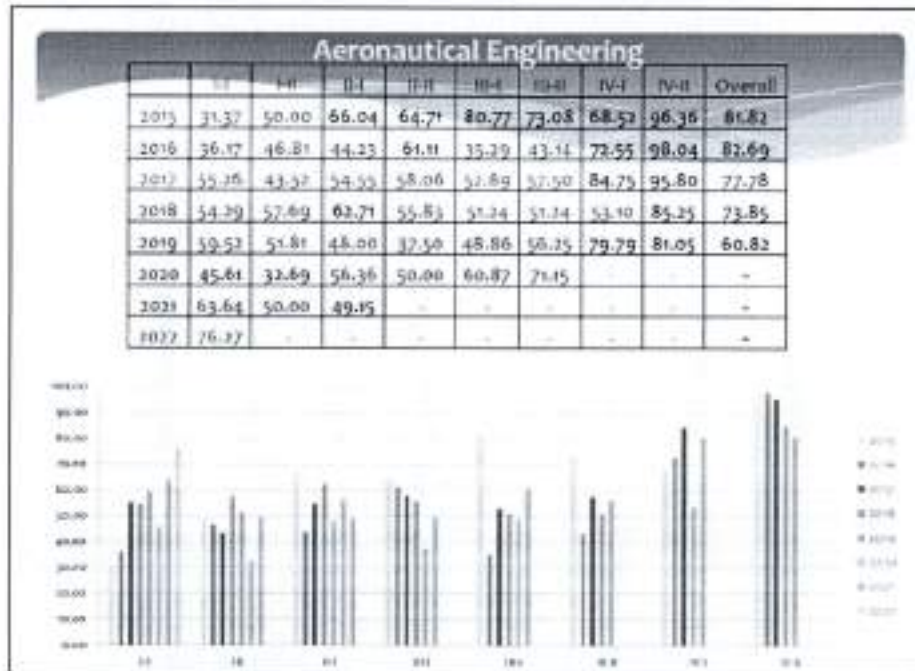
enhancing learning experiences.															
Average of Teachers encourage you to participate in extracurricular activities.	3.60	3.62	3.93	3.76	4.00	3.90	3.63	3.64	3.95	4.03	4.00	4.23	4.48	3.90	
Average of The overall quality of teaching-learning process in your institute is very good.	3.87	4.03	4.09	3.96	4.13	4.02	3.77	3.94	4.24	4.38	4.03	4.11	4.57	4.05	
Average of What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.	3.87	3.62	3.71	3.50	3.83	3.61	3.67	2.88	3.71	3.56	3.63	3.67	4.41	3.58	
Average of Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.	3.73	3.92	4.05	4.00	4.14	4.10	3.74	3.86	4.21	4.19	4.13	4.10	4.53	4.05	
TOTAL AVERAGE	3.90	3.99	4.04	3.99	4.11	4.05	3.83	3.84	4.15	4.15	4.06	4.09	4.57	4.03	

The analysis was taken on a point scale of 5. From the overall statistics it is clear that some areas like percentage of teachers using ICT to be improved, especially dept. of ECE needs to focus on the same. Dept of CSIT needs to focus on teachers identifying the students' weaknesses and help in overcoming them. Overall, all depts. should focus in improving the student satisfaction levels.

Agenda No. 3

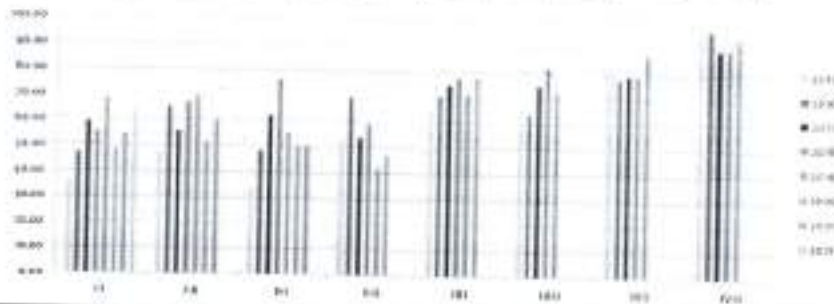
Review of result analysis, batch wise till date:

Dean, IQAC requested CoE to present the students results report for all the batches year wise. Following is the branch wise, batch wise result analysis presented.



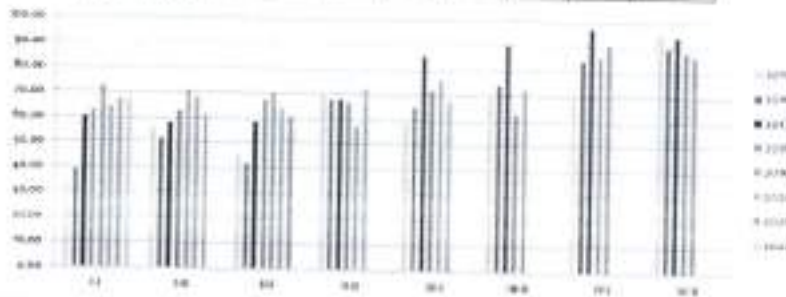
Electronics & Communication Engineering

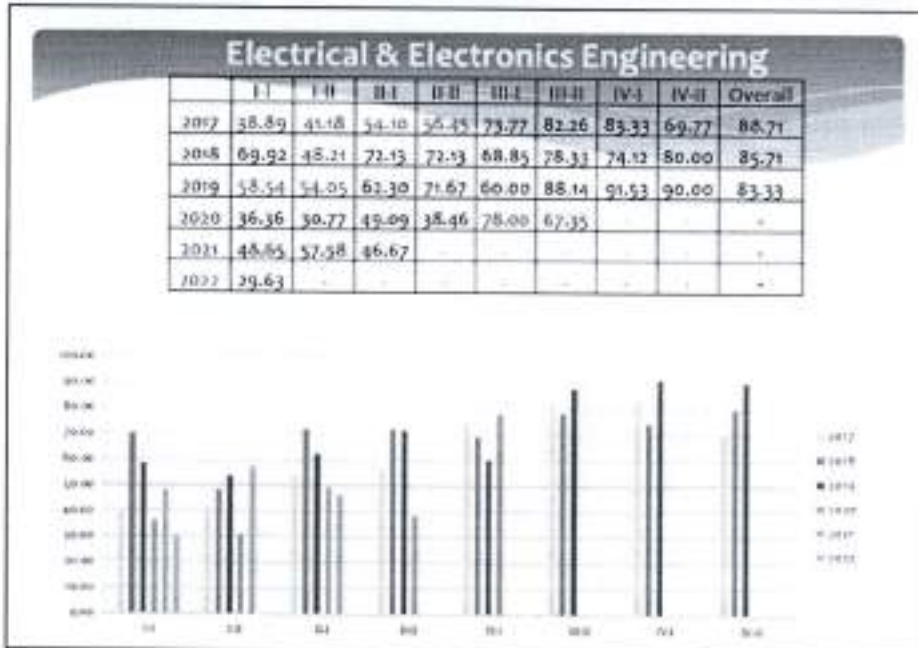
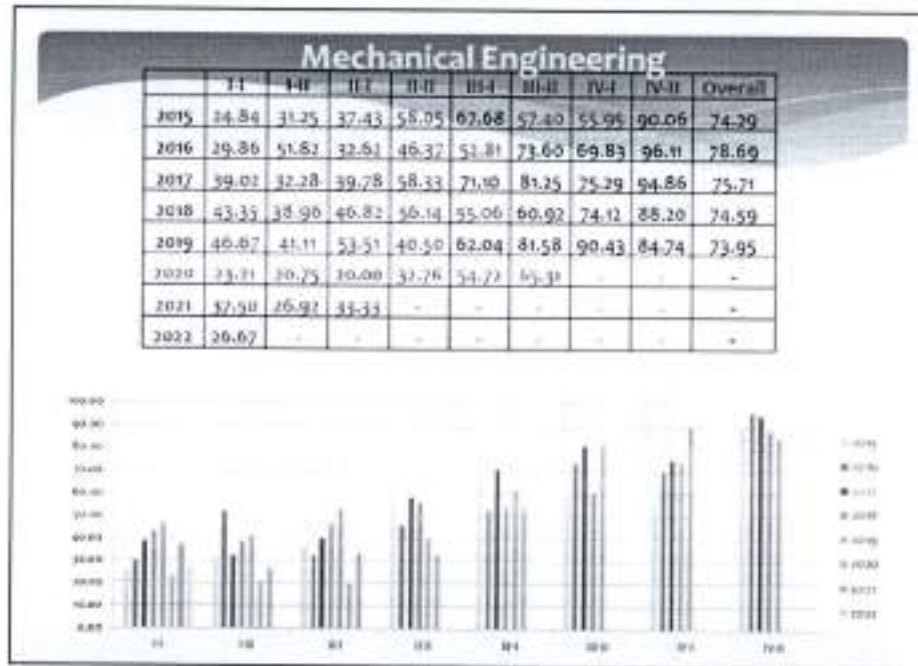
Year	I-I	I-II	II-I	II-II	III-I	III-II	IV-I	IV-II	Overall
2015	36.32	47.95	33.60	33.04	64.98	65.44	79.28	96.04	79.40
2016	47.21	65.50	48.88	69.50	70.47	63.81	77.20	96.55	83.77
2017	59.32	55.70	62.21	53.82	74.71	74.90	79.31	89.35	85.55
2018	55.36	67.39	75.90	59.26	77.39	82.17	78.46	89.35	87.83
2019	68.24	69.30	55.00	41.87	71.55	72.36	87.22	93.53	76.63
2020	48.71	52.27	49.80	47.28	77.73	65.47	-	-	-
2021	55.97	60.89	50.55	-	-	-	-	-	-
2022	64.60	-	-	-	-	-	-	-	-



Information Technology

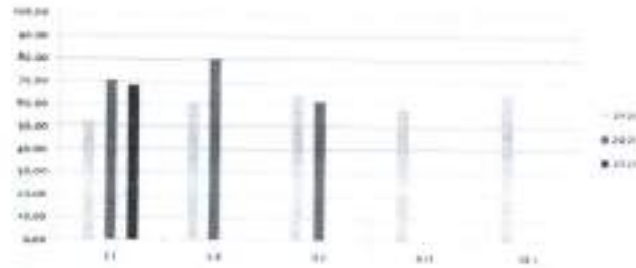
Year	I-I	I-II	II-I	II-II	III-I	III-II	IV-I	IV-II	Overall
2015	37.76	56.14	45.10	70.00	60.00	70.83	70.83	95.92	76.92
2016	38.98	51.79	41.87	67.91	65.38	74.51	84.31	90.19	72.55
2017	60.53	58.04	58.26	67.86	85.58	90.57	97.17	94.33	91.51
2018	62.50	62.71	67.69	66.93	71.94	62.79	86.05	87.97	80.45
2019	73.78	71.02	70.53	57.51	75.81	72.49	90.43	86.09	76.22
2020	64.12	68.29	64.98	72.53	67.57	78.16	-	-	-
2021	67.55	61.50	60.56	-	-	-	-	-	-
2022	67.22	-	-	-	-	-	-	-	-





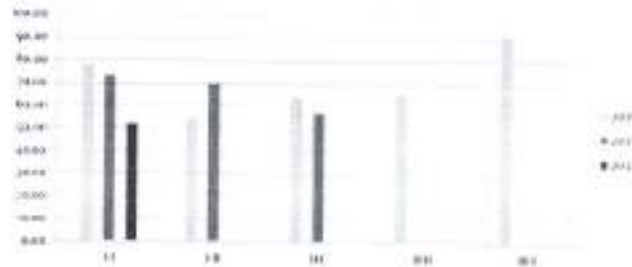
Computer Science & Information Technology

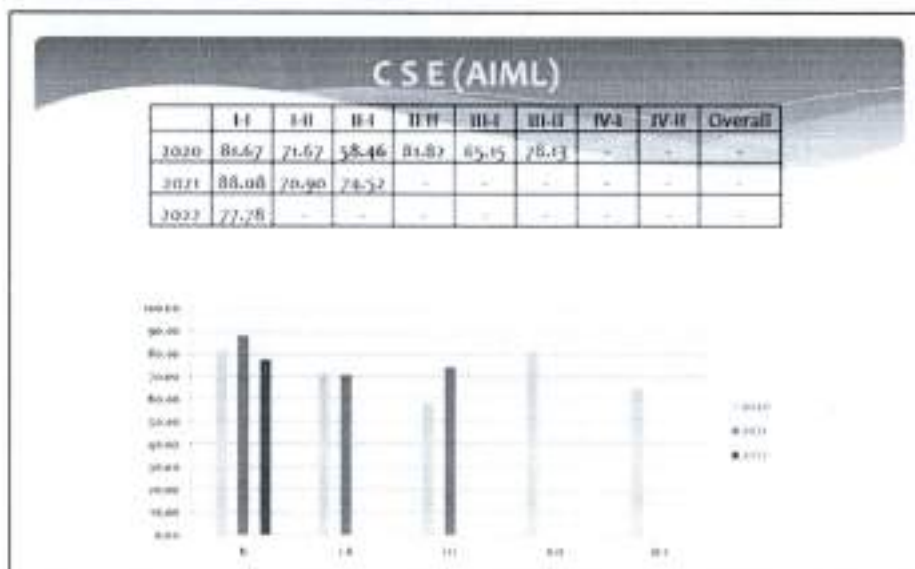
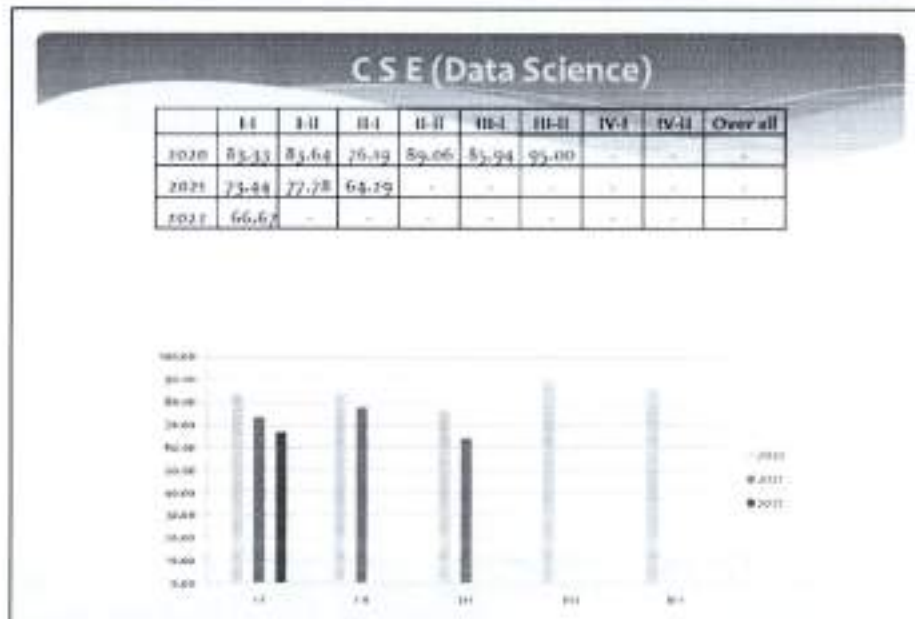
	I-I	I-II	II-I	II-II	III-I	III-II	IV-I	IV-II	Overall
2020	51.92	61.54	61.93	58.33	64.52	77.88	-	-	-
2021	70.77	80.00	61.76	-	-	-	-	-	-
2022	68.25	-	-	-	-	-	-	-	-

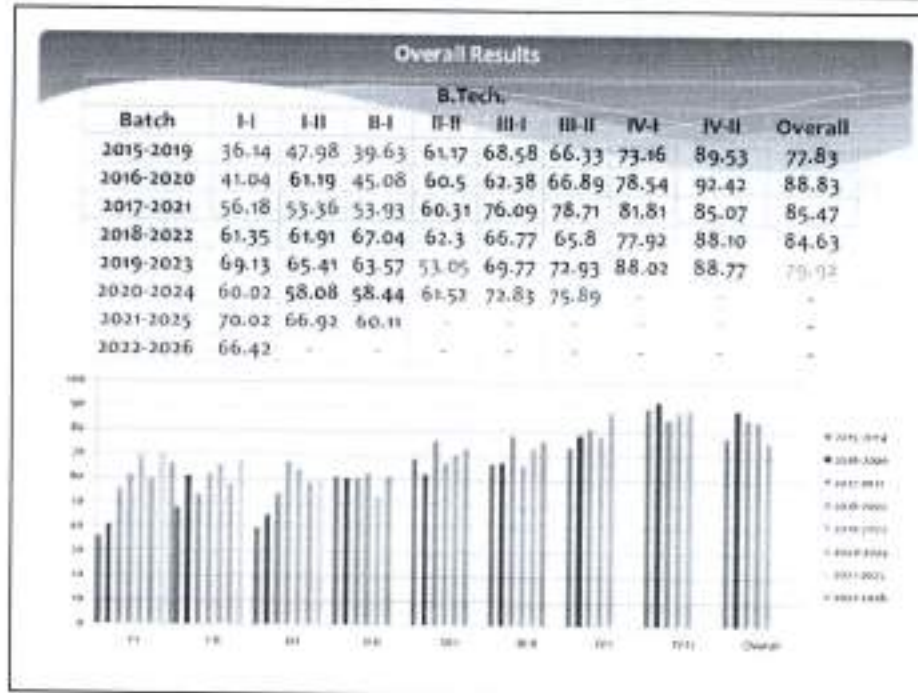
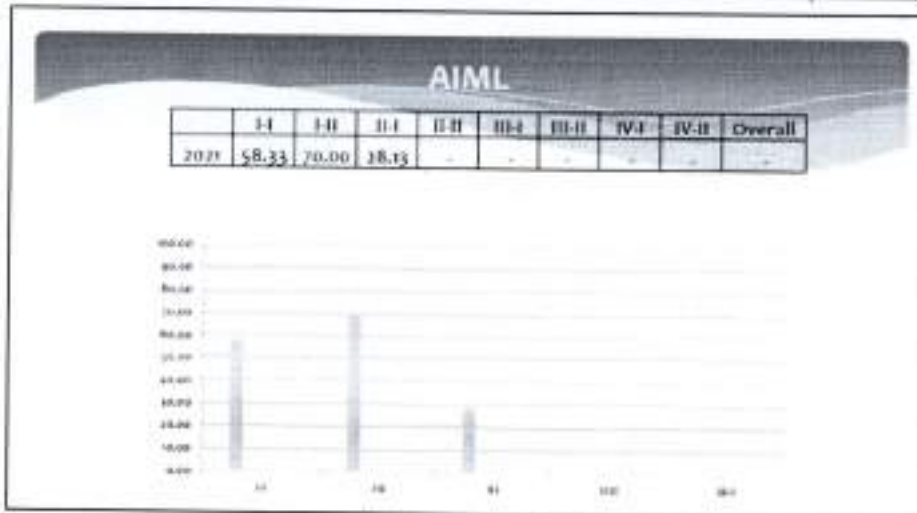


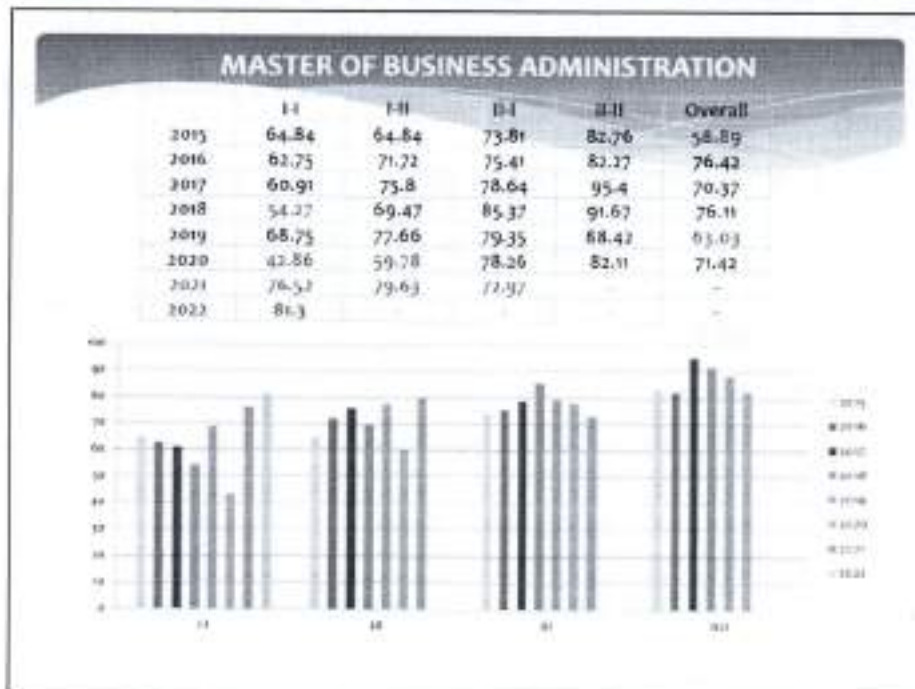
C S E (Cyber Security)

	I-I	I-II	II-I	II-II	III-I	III-II	IV-I	IV-II	Overall
2020	72.97	54.24	64.06	65.57	91.67	89.83	-	-	-
2021	73.44	69.55	56.83	-	-	-	-	-	-
2022	52.00	-	-	-	-	-	-	-	-









MASTER OF TECHNOLOGY

Aerospace Engineering						Embedded Systems					
	I-I	I-II	II-I	II-II	Over all		I-I	I-II	II-I	II-II	Over all
2015	70.83	100	100	100	100	2015	88.00	68.18	90.91	100	100
2016	80	100	100	100	100	2016	71.43	80.95	57.14	100	100
2020	20	60	100	100	100	2017	56.00	56.52	100	100	100
2021	50	0	100	-	-	2018	60.00	60.00	83.33	100	100
						2019	66.67	83.33	93.33	100	100
Computer Science & Engineering						2020	60.00	77.28	70.00	100	100
	I-I	I-II	II-I	II-II	Over all	2021	60.00	50.00	100	-	-
2016	47.06	60	100	100	100	2022	100.00	-	-	-	-
2017	100	100	100	100	100						
2018	75.00	33.33	80.00	100	100	Thermal Engineering					
2019	50.00	100	66.67	100	100		I-I	I-II	II-I	II-II	Over all
2020	77.73	88.89	100	100	100	2016	90.00	83.33	90.91	100	100
2021	80.00	50.00	20.00	-	-	2017	54.55	40.00	100	100	100
2022	100.00	-	-	-	-	2018	57.14	71.43	71.43	100	100
						2019	50.00	88.89	62.5	100	100
						2020	42.86	16.18	91.67	100	100
						2021	80.00	100	100	-	-
						2022	100	-	-	-	-

1 Calculation : Numbers of Passed/Attended

From the overall analysis it is noted that

1. AERO, ECE, MEC, CSE- The final year result has dropped and it is recommended that the HoDs should have a mechanism to track the progress.

Agenda No. 4

Review of Annual Quality Assurance Report (including the external audit and actions taken thereof)

With reference to the minutes of the IQAC meeting held on 04th April 2023, regarding the Plan of Action in response to the external academic audit report dated 21st March 2023, Dean, IQAC presented the status report for discussion during the meeting. The report comprises implementation of the said plan and expected outcomes in different categories. The various suggestions and implementations / actions are segregated here under as per NAAC criterion.

I. Curricular Aspects

- o New courses in line with NEP 2020 in association with IUCEE are offered to students from II year. Following are the courses:
 - a. "Overview of Emerging Technologies"
 - b. "Social Emotional Learning"
 - c. "Smart, Clean and Green Learning Spaces in & around the Campus"
 - d. "Self service analytics: Alteryx"
 - e. "Leadership and Sustainability"
- o Course on Basics of Entrepreneurship, Advanced Entrepreneurship are offered as electives in association with National Entrepreneur Network (NEN), Wadhvani foundation.

II. Teaching, Learning, and Evaluation

In order to ensure active engagement of students in classes different pedagogies are used. Special training sessions to the faculty are conducted by TLC of MLRIT.

Faculty Induction Program (FIP)

At MLRIT, Teaching, Learning Center (TLC) under the umbrella of Internal Quality Assurance Cell (IQAC) is regularly conducting Faculty Induction Program (FIP) for all newly joined faculty members across all the departments. The duration of each FIP is of one-week and it covers all key modules including Bloom's Taxonomy, Writing Effective Course Outcomes, Modern Tools Usage, CO-PO Attainments, Active-Learning Strategies, Examination Rule and Regulations important for teaching, learning and assessment.

A brief of three FIPs conducted in months Jan-23, Feb-23 and April-23; and further plans are given below.

Dates	No. of Participants
Conducted	
06/01/23 – 11/01/23	27
27/02/23 – 04/03/23	11
01/04/23 – 06/04/23	10
Planned	
2 nd Week of September	
1 st Week of December	

Faculty Conclave (FC)

As Faculty conclave fosters a culture of continuous learning and improvement, TLC-IQAC conducts Faculty Conclave for all the faculty members who have successfully completed their FIPs every year. In this series TLC has completed two FCs in the first-half of the current calendar year.

A brief of two faculty conclaves conducted in months May-23 and Aug-23 is given below.

Conducted	
Dates	No. of Participants
08/05/23 & 15/05/23	36
12/08/23 & 13/08/23	59

Teaching Evaluation and Development (TED) Talks

Teaching Evaluation and Development (TED) Talks offer a unique and valuable platform for teachers to enhance their content delivery in the classroom. These talks serve as a vehicle for professional growth, knowledge exchange and cultivation of effective teaching practices. These benefits generally include Pedagogical Innovation, Inspiration and Motivation, Effective Communication, Multimedia and Modern-Tools Integration for Effective Teaching, Student-Centric Approach, and Feedback and Self-Reflection.

Details of TED talks happened and the upcoming ones are given below.

	Dates	No. of Participants
Conducted		
I Year faculty	1 st week of May	32
Planned		
II, III Year faculty	1 st week of September	

Faculty Empowerment Program (FEP)

The programs included workshop/seminar on different domains including Pedagogical Workshops and Training, Technology Integration, Research support, Mentorship and Peer Support Initiatives, Leadership Development Programs, Interdisciplinary Collaborations, Community Engagement and Outreach, and Work-Life Balance and Well-being.

A brief of FEP courses organised till Aug-23 and the ones planned after it is given below.

S. No	Title	Dates
Conducted		
1	One-day Workshop on Problem Solving Using C++	
2	NPTEL Courses on Teaching, Learning and Assessments	Swayam Jan-Apr Cycle
Planned		
3	NPTEL Courses on Teaching, Learning and Assessments	Swayam July-Dec Cycle
4	One-day Workshop on Application Bloom's Taxonomy	
5	Three-day Workshop on Teaching Pedagogies for MBA Faculty	

Apart from the above below points were implemented:

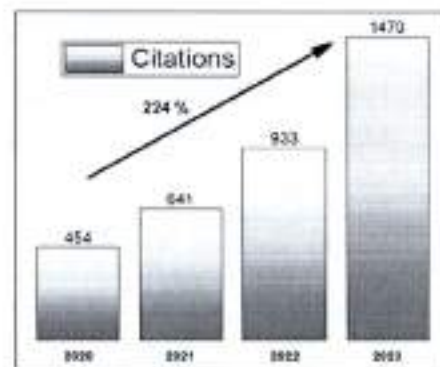
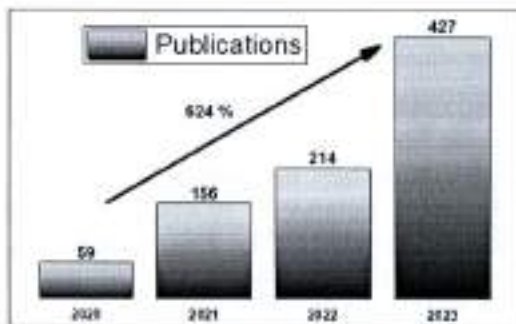
- After the course completion all faculty must submit the course file with course attainments mandatorily and the same be preserved in the depts.
- Students feedback form is revised to incorporate memo/text.
- E-Audit of the course-file contents except lecture notes is now initiated across all departments using the institute LMS.
- HODs to allot the courses one month before starting of the semester.
- Faculty members can prepare/upload 2.5 units documents before commencement of the semester and rest all before end of first CIE.
- Individual lecture notes for each faculty are required, considering faculty diverse teaching methodologies.
- Digital notes with less than 20 % plagiarism are allowed for the interested faculty.
- 360^o feedback draft is now final, after due diligence the same shall be made available

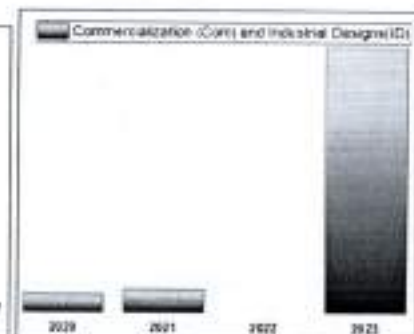
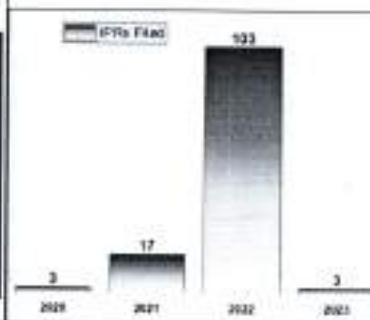
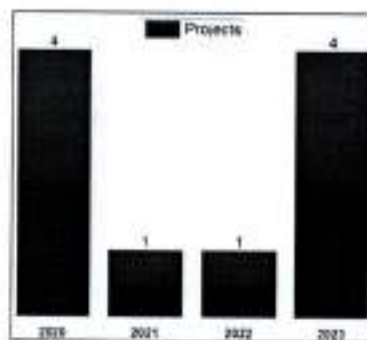
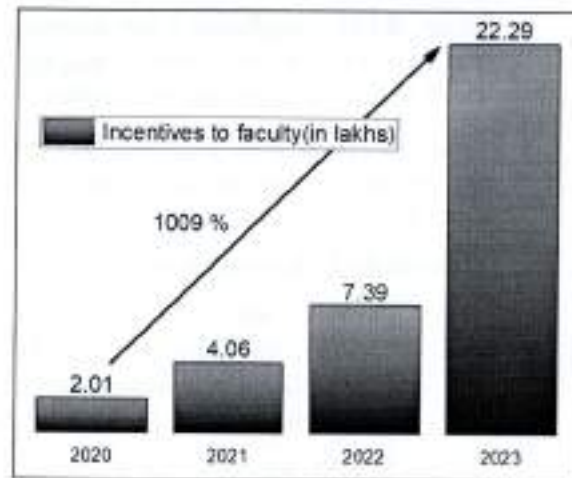
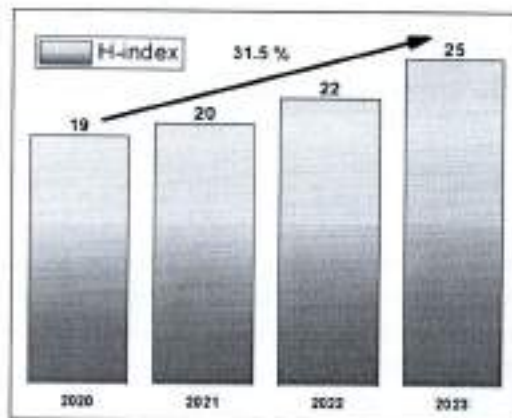
Research, Innovation, and Extensions

- The Dean, IQAC presented the annual data concerning research publications, citations, the institute's h-index, and the overall incentives disbursed to eligible faculty members. Each attendee expressed their appreciation to the college management for spearheading the research incentives initiative.
- To further accelerate the SCI/SCIE indexed journal publications, Dean, IQAC suggested formation of different Domain Research Clusters (DRC) based on doctorate faculty members' expertise area. Rest all other faculty members in the departments should be included in DRC for inclusive performance at department level.
- In light of the limited count of funded projects within the various departments, Dean, IQAC suggested all HODs to undertake proactive measures aimed at increasing the volume of applications for funded projects.

- Dean, IQAC emphasized the necessity for a clearly defined consultancy policy to encourage faculty members to engage in consultancy assignments. Subsequently, the Dean requested input and suggestions from all members. Dean also
- Despite experiencing a notable increase in the acquisition of Industrial Designs (IDs), the figures for Intellectual Property Rights (IPRs) filed and commercialization have remained relatively constant.
- **Outreach / Extension Activities:**
 - Dr. Anaz Khan, Dr. L. Bhanuprakash, Dr. Sivakumar, Dr. P Pramod Kumar, Mr. GV Rambabu, and Mr. M. Venkateswar Reddy visited 'Midwest Energy Pvt. Limited' Bollaram, Hyderabad and extended services on rectifying the problems associated with batteries efficient utilization.
 - Mr. M. Venkateswar Reddy (HOD, ME), Dr. M S N Gupta (HOD, Aero), Dr. Vivek Anand, Dr. Anaz Khan visited DRDL, Hyderabad and offered their technical assistance related to material suitability for intended applications.
 - The institution extended its assistance by furnishing computer systems to a school in Dundigal village as part of its outreach endeavors. The institution facilitated the provision of sugarcane and bakery machines to support the self-employment and rural women's development initiatives as part of its outreach activities.

Charts depicting annual research publications, citations, the institute's h-index, and the overall incentives disbursed.





III. Infrastructure and Learning Resources

- More blocks for hostel accommodation for Boys and Girls, (2022-23)
- Media Centre is now full-functioning. Schedule of lecture modules to be recorded is already notified. Till date, as many as 40 hours of lectures in 10 different modules have been already recorded by different faculty members. The final edited lecture modules are also uploaded on YouTube. Some links are given below.
 1. <https://youtu.be/6Li2mMrkxLs> (Introduction to Data Structures)
 2. https://youtu.be/-IQ_mnpBJeI (Data Structures-Linked lists)
- A new ERP system is now in place and all data related to students, faculty, staff, and institute are being mapped in it.
- An FDP is being planned on Open Educational Resources (OER).

IV. Student Support and Progression

- o Measures taken for effective usage of Clubs / Chapters / Societies Technical and non-technical club rules are reframed.
- o All members have to renew the membership on yearly basis.
- o All club members have to maintain 65 % attendance excluding event days.
- o All such members must not have total backlogs greater than 3.
- o New Clubs were formed for ME and EEE dept.
- o Monthly activities sheets from concern club in charges and reports are submitted.

V. Governance, Leadership, and Management

- o Quarterly department review is implemented across all departments

After the implementation of quarterly audit of the departments, it is noted that there is a very good progress in all criterions. Following tables present the progress noted from July 2022 till June 2023.

HoDs Monthly Audit Report July-Sep 2022									
MLR Institute of Technology									
SNO	Dept	NAME OF THE HOD	SCORE						HoD
			I	II	III	IV	V	VI	
		Maximum Marks----->	40	80	80	40	30	30	300
1	AERO	M.Sathyannarayana Guptha	35	40	30	40	30	30	195
2	CSE	E.Anupriya	25	70	50	25	15	20	205
3	AIML	K.Sai Prasad	NS	NS	NS	NS	NS	NS	NS
4	CSIT	P.Subhashini	0	10	20	0	15	15	60
5	IT	N.V.Rajashakar Reddy	20	30	40	0	0	0	90
6	ECE	S.V.S.Prasad	35	40	0	10	10	5	100
7	EEE	A.Sudhakar	0	10	20	15	0	0	45
8	Mech	M.Venkateshwar Reddy	10	50	0	30	10	20	120
9	H&S	CH.Achi Reddy	10	20	0	0	10	10	50

HoDs Monthly Audit Report Sep-Dec 2022									
MLR Institute of Technology									
SNO	Dept	NAME OF THE HOD	SCORE						AUDIT
			I	II	III	IV	V	VI	
		Maximum Marks ----->	40	80	80	40	30	30	300
1	AERO	M.Sathyannarayana Guptha	15	60	20	40	30	30	195
2	CSE	E.Anupriya	35	70	40	25	20	20	210
3	AIML	K.Sai Prasad	NS	NS	NS	NS	NS	NS	0
4	CSIT	P.Subhashini	5	0	0	5	0	15	25
5	IT	N.V.Rajashakar Reddy	30	50	40	20	15	10	165
6	ECE	S.V.S.Prasad	15	30	40	15	10	15	125
7	EEE	A.Sudhakar	10	60	10	15	25	25	145
8	Mech	M.Venkateshwar Reddy	25	60	30	40	25	30	210
9	H&S	CH.Achi Reddy	0	30	0	5	0	0	35

HoDs Monthly Audit Report Jan- Mar 2023									
MLR Institute of Technology									
SNO	Dept	NAME OF THE HOD	SCORE						AUDIT
			I	II	III	IV	V	VI	
Maximum Marks----- >			<-----No Limit----->						
1	AERO	M.Sathyanarayana Guptha	110	130	110	66.5	23	107	546.5
2	CSE	Dr.Balaram	100	138	165	66	.	45	514
3	AIML	K.Sai Prasad	50	120	5	29.5	0	130	334.5
4	CSIT	P.Subhashini	0	60	0	0	3	22	85
5	IT	N.V.Rajashekar Reddy	10	90	20	2.5	0	0	122.5
6	ECE	S.V.S.Prasad	70	130	30	0	25	0	255
7	EEE	A.Sudhakar	30	22	20	4	10	58	144
8	Mech	M.Venkateshwar Reddy	60	154	30	82	0	50	37
9	H&S	CH.Achi Reddy	0	60	0	0	2	0	62

HoDs Monthly Audit Report April-June 2023									
MLR Institute of Technology									
SNO	Dept	NAME OF THE HOD	SCORE						HoD
			I	II	III	IV	V	VI	
1	AERO	M.Sathyanarayana Guptha	35	422	10	58.5	0	45	570.5
2	CSE	A.Balaram	435	692	30	46	22	40	1265
3	AIML	K.Sai Prasad	40	242	15	37	15	50	394
4	CSIT	P.Subhashini	115	338	0	45	18	108	624
5	IT	N.V.Rajashekar Reddy	15	427	20	41.5	10	55	568.5
6	ECE	S.V.S.Prasad	125	582	15	37	14	85	858
7	EEE	A.Sudhakar	45	50	30	10	10	15	160
8	Mech	M.Venkateshwar Reddy	30	605	50	64.5	0	32	781.5
9	H&S	CH.Achi Reddy	70	125	5	40	0	11	251

Institutional Values & Best Practices

- Rubrics for assessment in line with Technical Teachers Training Program Faculty is being followed for Faculty Induction Program.
- Quarterly department audit is one of the best practices that IQAC has started from 2022 onwards.
- Rubrics have been used for assessment in recently concluded Faculty Conclaves in the month of May and Aug -2023.
- Faculty appraisal form is redesigned as per AICTE 2019 regulations and is being used for current calendar year increments / promotions.
- Total number of available CLs are increased from 12 to 15.

In the end of the meeting, Dean, IQAC thanked the Chair for presiding the meeting, and also thanked to all HODs/In charges for their support and suggestions.


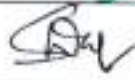

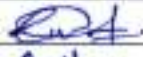

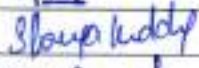
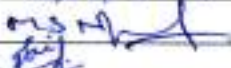

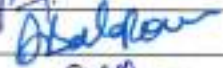




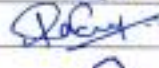
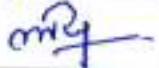
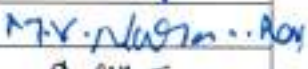

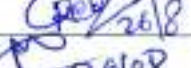
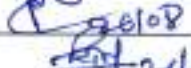

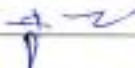

(Dr. V. Radhika Devi)

Dean IQAC, Member Secretary


(Dr. K. Srinivas Rao)

Principal, Chairperson, IQAC

Members present for the IQAC meeting held on 26th August 2023:

S. No.	Name	Member Details	Signature
1.	Dr. K. Srinivas Rao	Chairperson, IQAC -Principal	
2.	Prof. S. Srinath	External member Ex-Director IQAC, University of Hyderabad.	
3.	Mr. Shanthi Kumar	External member Director, Workforce Planning & Management, EPAM Systems	
4.	Mr. Narender Reddy	Industrialist, SVS Pipes	
5.	Mr. K. Rishith	Roll No.20R21A026, CSE dept	
6.	Mr. Akhilesh	Alumni Nominee Member	
7.	Ms. Shreya Reddy	Management Member	
8.	Dr. M.S.N. Gupta	Head Dept. of Aero.	
9.	Mr. K. Sai Prasad	Head Dept. of AIML	
10.	Dr. A. Balaram	Head Dept. of CSE	
11.	Dr. P. Subhashini	Head Dept. of CSIT	
12.	Dr. M. Chiranjeevi	Head Dept. of DS	
13.	Dr. S.V.S. Prasad	Head Dept. of ECE	
14.	Dr. A. Sudhakar	Head Dept. of EEE	
15.	Dr. N. V. Rajashekar Reddy	Head Dept. of IT	
16.	Prof. M. Venkateswar Reddy	Head Dept. of ME	
17.	Dr. M. V. Narasimha Rao	Head Dept. of MBA	
18.	Dr. Ch. Achi Reddy	Head Dept. of S&H	
19.	Prof. G. Prabhakara Reddy	Controller of Examinations	
20.	Dr. P. Pramod Kumar	Assoc. Prof., ME	
21.	Dr. Rajan Singh	Assoc. Prof., ECE	
22.	Dr. K. Arvind Kumar	Assistant Prof. – S & H	
23.	Dr. Radhika Devi V	Dean S & H and IQAC Member Secretary	