



MAHATMA GANDHI

INSTITUTE OF TECHNOLOGY (Autonomous)

Kokapet(Village), Gandipet, Hyderabad, Telangana – 500075. www.mgit.ac.in

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NEWSLETTER



April- June 2023

Issue-2



**Sri Praveen D. Reddy,
Chairman, CBES**

Chairman's Message

I am extremely happy to learn that the Newsletter for the months of Jan-March 2023 is being released. It is indeed a pleasure to get a whole lot of information and new ideas in the form of this quarterly news magazine of MGIT.

At MGIT, education springs new hopes and aspirations for a bright future, because of this, students have the opportunity to learn and get mentored by highly qualified faculty for their further educational and research opportunities. Moreover, the Institute is proud to mention its well-equipped Laboratories and state-of-the-art facilities which remain as benchmark for science and engineering education in the country. The Institute feels that its students are the core of its existence and the institute always puts its best efforts and raises the bar to provide quality education to all the students by exploring innovative ideas and strategies for effective teaching and learning process.

I congratulate the entire team of the Newsletter on bringing out the best. Hope that it will inform and impress all the students, teachers, parents and alumni of MGIT.

**Sri Praveen D. Reddy,
Chairman, CBES**



**Mr. J. Pratap Reddy,
Secretary, CBES.**

Secretary & Correspondent Message

Service to man is service to God. I urge all the teaching fraternity and the student community to walk the talk. It's not only thoughts that deliver but actions which need to be cultivated. Togetherness is the key to success. I believe the pandemic taught us the greatest lesson of all, i.e., to "stay united or perish". I started to ponder over the significance of humanity and its relevance in times of crisis. I can say that together we won the greatest battle of all, against the deadly

COVID. Once again we learnt that mankind can succeed against all odds with the willpower and perseverance.

Consistency is the key to success. For a student, a right balance of academics is the need of the hour. They need to look out for overall progress not neglecting the human ethics and values for better results. A good score is definitely a great advantage as it provides a basic foundation for the aspiring individuals. I hope all the students would live up to it. I urge all the students to gain right scholarship and erudition.

Best of Luck

**Mr. J. Pratap Reddy,
Secretary, CBES.**



**Prof. G. Chandra Mohan
Reddy,
Principal, MGIT.**

Principal's Message

I congratulate the Teachers and the students for bringing out another edition of the Newsletter. The Institution is abuzz with various academic and non-academic events giving impetus to the skills that the students possess leading to experiential learning. The main purpose

of the Newsletter is to plan, inform, engage, inspire and entertain a diverse readership-including Teachers, students, alumni, parents and others.

MGIT shares a unique culture of maintaining the clubs and cells through various activities which are conducted throughout the year making the college vibrant and fun loving. It is a pleasure to be part of a team which strives to bring out the best

**Prof. G. Chandra Mohan
Reddy,
Principal, MGIT.**

EDITOR BOARD

Chief Editors:

- Dr. G. Chandra Mohan Reddy
- Dr. K Sudhakar Reddy

Faculty Editors

- Dr. V. Harileela
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- Mr. M. Yadi Reddy
- Mr. C. Mahesh
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- Mr. P. Baba Satya Dev
- Dr. P. V. S. Lakshmi Narayan

Student Editors

- M. V. Sai Prathusha, ECE
- Bulusu Akshit, ECE
- Kancherla Taruna, CSB

Training & Placement Activities

Collaborating for a Brilliant Future! MGIT and Skyroot Aerospace Sign MoU



The Mahatma Gandhi Institute of Technology (MGIT) and Skyroot Aerospace, a leading Indian private aerospace manufacturer and commercial launch service provider, have signed a Memorandum of Understanding (MoU) to collaborate in the field of Aerospace Technologies. This partnership aims to benefit students and faculty members in undertaking research-oriented work. The MoU was signed at the MGIT premises, in the presence of several dignitaries, including the Chairman of CBES, Shri D. Praveen Reddy, Professor G Chandra Mohan Reddy, Principal of MGIT, Professor K Sudhakar Reddy, Vice Principal of MGIT, and Dr. Ing. CVS Kiran, Head and Lead, Research, Development & Strategy, Skyroot Aerospace. With this collaboration, both institutions are poised to contribute to the advancement of aerospace technologies and make strides towards a brilliant future!

Training & Placements Cell, MGIT organised Campus-Industry Engagement Program on 12 April 2023

The program offered an insightful conversation on emerging technologies and acclimating to corporate markets with LTIMindtree, Associate Director-Enterprise Cloud Apps & Alumna of MGIT (YoP 2007, MME), Ms B. Triveni.

Ms. Triveni's visit was a testament to the strong bonds that exist between our alumni and our current students. Her insights and knowledge were invaluable, and her message of hard work, adaptability, resilience and building timeless technologies was informative, motivational & uplifting, and it resonated deeply with our students.



Training & Placements Cell, MGIT organized the Industry Institute Conclave (IIC) on 10 May 2023



The conclave aimed to bridge the gap between Academia and Industry, facilitating meaningful interactions that would lead to a symbiotic relationship. Over 8 of distinguished industry stalwarts from various sectors, right from technology to manufacturing, participated as Guest Speakers and mentors, providing invaluable insights and guidance to the students. Among the prominent speakers were Sri. R. Venkateshwar Rao, Vice President, Sattva Developers Pvt. Ltd, Sri. P. Veera Reddy, Global Head, Cigniti Technologies, Sri. M. Venkata Chalapathy, Sr.

Director, Virtusa Consulting Services, Sri. V.V Krishna Reddy, Director, Continental Designers, Sri. Prashanth Nidamarthy, Manager, Talent acquisition, Hitachi Vantara, Sri. KA Ramdas, Deputy General Manager, Mahindra & Mahindra, Sri. CVS Kiran, Lead-R&D, Skyroot Aerospace, Sri. Kiran Kumar Reddy, Vice President, Xtramilesoft Technologies, whose presence lent a tremendous aura to the conclave.

Their thought-provoking speeches, rich with expertise and experience, resonated with the audience, inspiring the next generation of professionals to strive for excellence and push the boundaries of innovation.

The Chairman, CBES, Sri. D. Praveen Reddy a visionary leader was instrumental in organizing this Conclave. Principal, MGIT, Prof. G. Chandra Mohan Reddy, Vice Principal, Prof. K. Sudhakar Reddy, Head- Training & Placements, Ms. Shantha K Nuthalapati, HoD's, Faculty & Students have attended the event, their presence added immense value to the conclave and showcased the commitment of MGIT towards fostering Industry-Academia collaborations!



Department-wise Placements

S.No	CSE	ECE	EEE	IT	MECH	MCT	CIVIL	MME
1	4	1	2	0	3	0	0	0

Details of Companies Visited

S.No	Name of the Company Visited	No of Students Recruited by the Company	Details of Package Offered(LPA)
1	Autocracy Machinery	11	1.44
2	TechDemocracy	5	4
3	Pyro Group	1	4
4	Brane Enterprises	5	5
5	Dun&Bradstreet	2	8

R&D at MGIT

FUNDED PROJECTS

Name: Dr. Archana Jain

Title: Development of achiral and iso-selective Alkaline-Earth Metal catalysts to produce highly stereo controlled biodegradable polymers.

Funded Amount: Rs.18,30,000/-

PATENTS

Name of the Faculty : Gousiya Begum

Title of patent : A Design for feature selection and optimized hyper parameter tuning for machine learning model

Status : Published

Name of the Faculty : Dr. P. Ram Kishore Kumar Reddy

Dr. P. Naga Sekhar Reddy

Dr. P. Lakshmi Supriya

Title of patent : Variable Speed Dc Motor Controlled Screw Conveyor for Compressed Garbage

Status : Published

Name of the Faculty : J.Hima Bindu,
B. Swetha

Title of patent : A Hybrid approach using deep learning and statistical methods for accurate forecasting of solar power generation

Status : Filed

Name of the Faculty : Dr. Kumaraswamy Gullapelli and Dr. Ravichandar Maroju

Title of patent : Preparation of Benzimidazole containing Isoxazole and derivatives there

Status : Filed

In-House Activities

FDP/STTP/Workshop/Seminar/Guest Lecture etc. organised

Department of Civil Engineering

Event : National Conference

Title : Innovations in Civil Engineering through Sustainable Technologies

Department of EEE

Event : Guest Lecture

Title : Fundamentals and Advanced Speed Control Techniques of Electric Motor Drive

Department of ECE

Event : International Conference

Title : Advances In Signal Processing

Event : Guest Lecture

Title : Job opportunities in core companies

Department of CSE and IT

Event : Guest Lecture

Title : Cloud Computing: Introduction and Reality

Event : Guest Lecture

Title : Career Opportunities in Finance for IT Graduates

Event : Guest Lecture

Title : Big Image Processing

Event : Guest Lecture

Title : Exploring Privacy Techniques and Best Practices

Department of M&H

Event : National Conference

Title : Relevance of English, Mathematics, and Management Sciences to Technical Courses (REMMT-2023) June 24th 2023.

Faculty Participation in Conference/Workshop/Seminar/FDP/Webinar

Department of Mechanical Engineering

Dr. S. Madhava Reddy, completed NPTEL course on “ Mechatronics” on April, 2023

Dr. S. Madhava Reddy, attended webinar, “Advancements and Opportunities in Defence Technology for Engineering/ Science Graduates”, organized by Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore, on 15th April 2023.

Dr. Asheesh Kumar, attended One Week FDP on “Digital Manufacturing and IoT based Prototype Development” organized by AICTE-IDEA LAB of CBIT during 24 – 28 April 2023.

M Yadi Reddy attended 2nd International Conference on “Applied Artificial Intelligence and Computing ICAAIC 2023” Salem, India during 04-06,May,2023.

Mr.K Santosh Kumar, attended one week FDP on “Advancements in Mechanical Engineering”, organized by Dept. of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, AP, Title of the event during 19th - 24th June 23.

Dr. S. Madhava Reddy, attended one week FDP on “Advancements in Mechanical Engineering”, organized by Dept. of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, AP, Title of the event during 19th - 24th June 23.

Dr. S. Madhava Reddy, attended Five day online FDP “ Advances in Materials and Manufacturing Technologies”, organized by Department of Mechanical Engineering, Kallam Haranathreddy Institute of Technology”, Guntur, A.P during 26-30 June 2023,

Department of ECE

Mrs.P.Usha Rani, attended online Workshop on “One Day AI Tools” ChatGPT Founder, Aditya Kachave, Aditya Goenka, IIT Kharagpoor, on 21st May 2023.

P. Durga Devi, attended online Short term course on E”xploratory Data Analysis for Deep learning using python and Microsoft Power BI” during 29-05-2023 to 02-06-2023.

P.Usha Rani attended One Week AICTE-VTU Joint Teachers Training Programme on “Fundamentals of Data Science & Analytics”, organised by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) during 05th to 09th June 2023

S.Swetha attended Indo-US VAJRA Course on “Fundamentals of Electromagnetics” (EMF-2023)organised by Department of ECE, National Institute of Technology Silchar on Online on 12-16 June 2023

M. Chandrakala, attended online Short term course on “Exploratory Data Analysis for Deep learning using python and Microsoft Power BI” on 29-05-2023 to 02-06-2023.

Department of IT

Ch. Lakshmi Kumari, Chinnakka Sudha attended 4th National Conference on “Futuristic Areas in Computer Engineering and Technology (FACET-23)”, organized by Department of CSE, Kamala Institute of Technology & Science, during 5 – 6 May, 2023.

B.Swetha, attended National conference on “Relevance of English, Mathematics & Management Sciences to Technical courses” (REMMIT-23) organized by Dept. of Mathematics and Humanities, MGIT on 24th June 2023.

Department of P &C

Dr.G.Kumaraswamy, attended FDP on “Recent Advances in Medicinal Chemistry Material Science (RAMCMS-23)” organized by Vardhaman College of Engineering, Hyderabad, during 24-28 April-2023.

Research Publications in National/International Journals

Department of EEE

Name of the Faculty : Dr.P.Ram Kishore Kumar Reddy

Publication : JEC Publication, ISBN No. 978-93-5749- 842-5

Title : Renewable Energy Principles of Heat Transfer

Date : June 2023

Name of the Faculty : Dr.P.ChandraSekhar

Publication : Engineering and Technology Journal, Volume-8, Issue-6, 2324-2326

Title : Incremental Conductance MPPT Technique with Boost Converter

Date : June 2023

Name of the Faculty : Mrs.N.Madhuri & Mrs.P. Veera Bhadra Kumari

Publication : International Journal of Research and Analytical Reviews, Volume 10, Issue 2, Page No.6 to 13

Title : Closed Loop Speed Control of BLDC Motor Drive with Hysteresis Current Controller

Date : June 2023

Name of the Faculty : Dr.M.Nalini Devi & Mrs.S.Sudha Rani

Publication : IJRAR, Volume 10, Issue 2, June 2023, Page No-171-176

Title : Voltage Sag Compensation In Distribution System By FACTS Devices Using MATLAB

Date : June 2023

Name of the Faculty : Dr.M.Nalini Devi
Publication : IJAEM, Volume 5 , Issue 5, Page No : 282-286
Title : Modeling of Single Phase Matrix Converter Using MATLAB
Date : May 2023.

Name of the Faculty : Dr. P Chandrasekhar
Publication : Mahi Publication, ISBN No. 978-81-96295-43-1
Title : Research Prospects in Load Flow Analysis
Date : May 2023

Name of the Faculty : Dr. P Chandrasekhar
Publication : Elsevier: Science Direct Materials Today Proceedings, Volume-80, Issue-3, 2032- 2036
Title : Coordinated Control between DGs and STATCOM: Impact of Communication node failure
Date : May 2023

Name of the Faculty : Mrs.S.Sudha Rani
Publication : IJAEM, Volume 5 , Issue 5, Page No : 282-286
Title : Modeling of Single Phase Matrix Converter Using MATLAB
Date : May 2023

Department of Mechanical Engineering

Name of the Faculty : Dr. K. Sudhakar Reddy
Publication : Journal of Xidian University
Title : Design of Automatic Solar Panel Using Power Performance Optimiser
Date : 5 May 2023

Name of the Faculty : Dr. K. Sudhakar Reddy
Publication : INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING
Title : PVT System Efficiency Enhancement using Finned System using PCM
Date : April-June 2023

Name of the Faculty : Dr. K Ankamma
Publication : Journal of Xidian University
Title : Design of Automatic Solar Panel Using Power Performance Optimiser
Date : 5 May 2023

Name of the Faculty : Dr S Madhava Reddy
Publication : Journal of Xidian University
Title : Design of Automatic Solar Panel Using Power Performance Optimiser
Date : May 2023

Name of the Faculty : Dr S Madhava Reddy
Publication : Gradiva Review Journal, Volume 9 Issue 6, June 2023, ISSN No : 0363-8057, Pp: 338-344, UGC CARE approved Group II journal
Peer-reviewed and open access journal. IF:6.1 and indexed by Scopus.
DOI : <https://gradivareview.com/volume-9-issue- 6-2023/>
Title : Experimental Behavior Of Al 7075 With Magnesium Oxide Nano Powder Metal Matrix Composite
Date : June 2023

Name of the Faculty : Dr S Madhava Reddy
Publication : International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321- 9653; SJ Impact Factor: 7.538, Volume 11 Issue VI Jun 2023, Pp:4261-4263, UGC care approved journal (No.45842) , Peer reviewed and open access journal.
DOI : <https://doi.org/10.22214/ijraset.2023.54443>
Title : Smart Hydroponic System and Monitoring of Plant's Health through Machine Learning.
Date : June 2023

Name of the Faculty : Dr.R.Uday Kumar
Publication : International Journal of Materials Research Innovations,
DOI : <https://doi.org/10.1080/14328917.2023.2213487>
Title : Augmenting heat transfer performance in a heat exchanger with CeO₂ nanofluids
Date : April 2023

Name of the Faculty : Dr.T.Niranjan
Publication : Recent Trends in Mechanical Engineering: Select Proceedings of PRIME 2021, pp.385-396
Title : "Multichannel Sustainable Supply Chain Network Design: Review and Research Directions"
Date : 8th June 2023

Name of the Faculty : Dr.T.Niranjan
Publication : Materials Today Proceedings
Title : Process parameter optimization in friction stir welding process using Taguchi method
Date : 03 May 2023

Name of the Faculty : Dr.T.Niranjan
Publication : In AIP Conference Proceedings (Vol. 2810, No. 1). AIP Publishing.
Title : "Comparison on single point incremental forming and micro incremental forming-A review"
Date : June 2023

Name of the Faculty	: Dr.T.Niranjan
Publication	: Materials Today: Proceedings
Title	: Process parameter optimization in friction stir welding process using Taguchi method
Date	: 03May,2023
Name of the Faculty	: G Sreenivasulu Reddy
Publication	: International Journal of Materials Research Innovations,
DOI	: https://doi.org/10.1080/14328917.2023.2213487
Title	: Augmenting heat transfer performance in a heat exchanger with CeO ₂ nanofluids
Date	: April 2023
Name of the Faculty	: D.Kameswara Rao
Event	: INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING
Title	: PVT System Efficiency Enhancement using Finned System using PCM
Date	: April-June 2023
Name of the Faculty	: M Yadi Reddy
Publication	: International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 13, Issue 1, Jun 2023, 1– 10, ISSN (P): 2249-6890; ISSN (E): 2249-8001 / IJMPERDJUN20231
Title	: Heat Treatment Effect On The Mechanical Properties and Microstructure Evaluation In ALSi10mg Manufactured By Selective Laser Melting.
Date	: June 2023
Name of the Faculty	: B Ramakrishna
Publication	: B Ramakrishna Effect of injection timing on exhaust emissions of insulated diesel engine with biogas AIP Conference Proceedings 2715, 020027 (2023).
DOI	: https://doi.org/10.37896/jxu17.5/04121
Title	: Effect of injection timing on exhaust emissions of insulated diesel engine with biogas
Date	: May 15, 2023.
Name of the Faculty	: P Shashidar
Publication	: IJNRD, Vol.8, issue-6, Date: 28.06.2023, Pages: 576-580 , ISSN: 2456-4184
Title	: Modelling and Development of Powered Vehicle for Disabled Persons
Date	: April 2023
Name of the Faculty	: K. Santosh Kumar
Publication	: IJNRD, Vol.8, issue-6, Date: 28.06.2023, Pages: 576-580 , ISSN: 2456-4184
Title	: Modelling and Development of Powered Vehicle for Disabled Persons
Date	: April 2023

Department of ECE

Name of the Faculty : Dr. T.R. Vijaya Lakshmi
Publication : Signal, Image and Video Processing 17, no. 5 (2023): 1855-1861. (SCI)
Title : Cancer prediction with gene expression profiling and differential evolution
Date : April 2023

Name of the Faculty : Dr.V SAIDULU
Publication : **ISBN NO: 9798391440505**, International Conference on Communications, Signal Processing and Computing organized by Dept of ECE, Bapatla Engg. College, Bapatla
Title : Design Microstrip Antenna Loaded with Dielectric Cover Layer Resonating at 2.4GHz for Bluetooth Applications
Date : 17th and 18th April 2023

Name of the Faculty : Dr.V SAIDULU
Publication : International Conference on Advanced Research in Information and Communication Technologies organised by JP College of Engg. Tamil Nadu.
Title : Design Inset Feed Microstrip Antenna at 1.9GHz for GSM Applications
Date : 19th and 20th April 2023

Name of the Faculty : Mr. D.V.S. Nagendra Kumar
Publication : The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XV, Issue VI. Page No: 1409 – 1417.
Title : Deep Learning Based Diabetes Testing and Prognostication
Date : June 2023

Department of CSE

Name of the Faculty : P Poornima
Publication : International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)
Title : Women Safety System Using IOT
Date : April 2023

Name of the Faculty : P Poornima
Publication : International Journal of Advances in Engineering and Management (IJAEM)
Title : IoT Based Automatic Collision alert and Preventing System
Date : April 2023

Name of the Faculty : P Poornima
Publication : International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)
Title : Deep Learning for Aircraft Recognition using CNN
Date : April 2023

Name of the Faculty -	: Gousiya Begum
Publication	: International Journal of Advances in Engineering and Management
Title	: Speech to Braille Conversion Using Python
Date	: April 2023
Name of the Faculty	: Gousiya Begum
Publication	: International Journal of Advances in Engineering and Management
Title	: Car Parking Detection System Using Deep Learning
Date	: April 2023
Name of the Faculty	: Gousiya Begum
Publication	: International Journal of Advances in Engineering and Management
Title	: Fake Product Identification Using Blockchain
Date	: April 2023
Name of the Faculty	: G Naga Sujini
Publication	: International Journal of Advances in Engineering and Management
Title	: Brain Tumor Segmentation using RCNN
Date	: April-June 2023
Name of the Faculty	: N Musrat Sultana
Publication	: Mukt Shabd Journal
Title	: Intelligent System for Automatic Railway Gate Controlling Obstacle Detection and Alert System
Date	: April-June 2023
Name of the Faculty	: Dr.B.Prasanthi
Publication	: International Research Journal of Engineering and Technology
Title	: A Deep Learning Approach for the Detection and Identification of Neovascularization in Fundus Images
Date	: April-June 2023
Name of the Faculty	: Dr.B.Prasanthi
Publication	: International Research Journal of Engineering and Technology
Title	: Automatic Door Unlock with Facial Recognition using IoT
Date	: April-June 2023
Name of the Faculty	: A. Ratna Raju
Publication	: Biomedical Engineering: Applications, Basis and Communications
Title	: Taylor-Liwo: Taylor Improved Invasive Weed Optimization- Enabled Deep Quantum Neural Network for Brain Tumor Segmentation and Classification
Date	: April-June 2023
Name of the Faculty	: G Naga Sujini
Publication	: Gradiva Review Journal
Title	: IoT Based Automatic Vehicle Detection and Rescue System
Date	: April 2023

Department of IT

Name of the Faculty	:	Dr. D.Vijaya Lakshmi
Publication	:	International Journal of Scientific Development and Research (IJSDR), Volume 8 Issue 6, Pg No :1238 – 1243, ISSN:2455 – 2631
Title	:	A Stochastic-based Path Prediction of Wind Storms
Date	:	June 2023
Name of the Faculty	:	A.V.L.Prasuna
Publication	:	International Journal for Research in Applied Science & Engineering Technology, Vol 11, Issue VI , Pg. No. : 380 – 384, ISSN: 2321 – 9653
DOI	:	https://doi.org/10.22214/ijraset.2023.53470
Title	:	Missing Child Identification using Convolutional Neural Network
Date	:	June 2023
Name of the Faculty	:	A.V.L.Prasuna
Publication	:	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 12, Issue 6, Pg. No: 454 – 459,
DOI	:	10.17148/IJARCCE.2023.12677 ISSN: 2319 – 5940
Title	:	Classification Of Breast Cancer Images With Transfer Learning And Deep Convolution Neural Networks
Date	:	June 2023
Name of the Faculty	:	U. Chaitanya
Publication	:	International Journal of Scientific Development and Research (IJSDR), Volume 8 Issue 6 , Pg No :1238 –1243, ISSN:2455 – 2631
Title	:	A Stochastic-based Path Prediction of Wind Storms
Date	:	June 2023
Name of the Faculty	:	U. Chaitanya
Publication	:	International Journal of Research Publication and Reviews Journal, Vol 4, no 6, Pg. No. :1972-1976, ISSN: 2582 – 7421
Title	:	Comparative Analysis of Autism Spectrum Disorder Using Machine Learning Techniques
Date	:	June 2023
Name of the Faculty	:	U. Chaitanya
Publication	:	International Journal for Research in Applied Science & Engineering Technology, Vol 11 Issue VI, ISSN: 2321 – 9653, Pg. No.: 3583 - 3589
DOI	:	https://doi.org/10.22214/ijraset.2023.54383
Title	:	Digital Image Text Recognition Using Machine Learning Algorithms
Date	:	June 2023

Name of the Faculty	: Dr. N. Sree Divya
Publication	: International Journal of Creative Research Thoughts, Volume 11, Issue 6 Pg. No. : c608 – c614, ISSN: 2320 – 2882
Title	: Smart Attendance System Using Face Recognition Technique
Date	: June 2023
Name of the Faculty	: J. Hima Bindu
Publication	: Science, Technology and Development, Volume XII, Issue VI, Pg. No. : 36 – 44, ISSN: 0950 – 0707
Title	: Image Segmentation and Classification for 3D MRI Images Using ConvLSTM to Detect Brain Tumor
Date	: June 2023
Name of the Faculty	: J. Hima Bindu
Publication	: International Journal for Research in Applied Science & Engineering Technology, Volume 11 Issue VI June 2023, Pg. No. 3495 – 3500 ISSN: 2321 – 9653,
DoI	: https://doi.org/10.22214/ijraset.2023.54326
Title	: Depression Detection Using Machine Learning
Date	: June 2023
Name of the Faculty	: B. Meenakshi
Publication	: International Journal for Research in Applied Science & Engineering Technology, Vol 11 Issue VI Pg. No. : 219–222, ISSN : 2321 – 9653,
DoI	: https://doi.org/10.22214/ijraset.2023.54326
Title	: Post Graduate Admission Prediction Using ANN
Date	: June 2023
Name of the Faculty	: B. Meenakshi
Publication	: International Journal for Research in Applied Science & Engineering Technology, Vol 11 Issue VI, Pg. No. : 778 – 781 ISSN: 2321 – 9653,
DoI	: https://doi.org/10.22214/ijraset.2023.54326
Title	: COPD Patients' Readmission Using Machine Learning
Date	: June 2023
Name of the Faculty	: Ch. Lakshmi Kumari
Publication	: International Journal of Research Publication and Reviews, Vol 4, No 6, pp 3708-3710, ISSN: 2582-7421
Title	: Knee Osteoarthritis Severity Detection Using CNN 15Algorithm
Date	: June 2023
Name of the Faculty	: Ch. Lakshmi Kumari
Publication	: International Journal for Research in Applied Science & Engineering Technology, Volume 11, Issue VI, Pg. No. : 2339 - 2342 ISSN: 2321-9653
DoI	: https://doi.org/10.22214/ijraset.2023.54326
Title	: Bitcoin Price Prediction Using LSTM
Date	: June 2023

Name of the Faculty	: B.Swetha
Publication	: International journal of research in applied science and Engineering technology, Vol 11, Issue VI, Pg No. : 1217- 1220 ISSN: 2321 – 9653,
DOI	: https://doi.org/10.22214/ijraset.2023.53719
Title	: Plant Leaf Disease Detection and Classification Based on Convolutional Neural Network
Date	: June 2023
Name of the Faculty	: B.Swetha
Publication	: International journal of research in applied science and Engineering technology, Vol 11, Issue VI, Pg No. : 1217- 1220 ISSN: 2321 – 9653
DOI	: https://doi.org/10.22214/ijraset.2023.54342
Title	: Detection of Alzheimer's disease using Magnetic Resonance Images Based on VGG19 & DenseNet169
Date	: June 2023
Name of the Faculty	: CH. Sudha
Publication	: International Journal for Research in Applied Science & Engineering Technology, Vol 11, Issue VI, June 2023, ISSN : 2321 – 9653 Pg.No.: 4000 - 4003
Title	: Classification of Heartbeats Using Convolutional Neural Networks
Date	: June 2023
Name of the Faculty	: CH. Sudha
Publication	: International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol 11 Issue VI , ISSN : 2321 9653 Pg. No. : 3578 – 3582
Title	: Mobile Message Classification Using Natural Language Processing and Machine Learning Algorithms
Date	: June 2023
Name of the Faculty	: B. Lokesh
Publication	: International Journal of Creative Research Thoughts, Volume 11, Issue 6 ISSN: 2320-2882, Pg. No. : d759 – d764
Title	: Quality Grain Checking System Using IoT & Machine Learning
Date	: June 2023

Name of the Faculty : B. Lokesh
Publication : International Journal for Research in Applied Science & Engineering Technology, Volume 11 Issue VI Pg. No. : 3598 – 3601
DOI : <https://doi.org/10.22214/ijraset.2023.54285>
Title : Novel Automatic Food Trading System Using Blockchain
Date : June 2023

Name of the Faculty : V. Veena
Publication : International Journal for Research in Applied Science Engineering Technology, Vol 11, Issue VI , ISSN : 2321 – 9653 Pg. No. : 767 - 771
Title : Drone Detection and Classification Using Music (Multiple Signal Classification) Algorithm
Date : June 2023

Name of the Faculty : A. Amulya
Publication : International Journal for Research in Applied Science & Engineering Technology, Vol 11, Issue VI, ISSN : 2321 – 9653 Pg. No. : 690 - 694
Title : Vision and Voice Based Hand Gesture Recognition
Date : June 2023

Name of the Faculty : P.VenkateswaraRao
Publication : International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 6, ISSN: 2394 – 1588 Pg. No: 429– 433,
DOI : 10.17148/IARJSET.2023.10668
Title : Anomaly Detection in Networks Using Machine Learning
Date : June 2023

Department of P&C

Name of the Faculty : Dr. Archana Jain
Publication : Eur. J. Inorg. Chem., e202300247
Title : Efficient Hydroboration of Esters and Nitriles Using a Quinazolinone Supported Titanium(IV) Multitasking Catalyst
Date : 16th June 2023

Department of CIVIL

Name of the Faculty	: Dr. V. Venkat Ramayya
Publication	: Construction and Building Materials Volume 386 (SCI Q1)
Title	: Fracture studies on basalt fiber reinforced asphalt mixtures with reclaimed asphalt pavement derived aggregates and warm mix additives
Date	: April 2023
Name of the Faculty	: Dr. K Ashwini Assistant Professor
Publication	: NICEST'23
Title	: Evaluating the Mechanical Properties of Concrete with OPC and RHC Incorporating Silica Fume
Date	: April 2023

Faculty Achievements/Awards/Recognitions: Faculty members awarded Ph.D. in their respective areas of research:

- Dr. N. Sree Divya, from KL Deemed to be University in March, 2023.
- K. Chiranjeevi Sabitha, from Osmania University, in April, 2023.
- Dr. M. Nalini Devi, from Andhra University, Vishakapatnam in April, 2023.

Awards/Courses

Dr.G Madhavi, Title of the Award is Certified in NPTEL FDP 12 Weeks Course on “Deep Learning” organized by IIT khargpur, on Jan to April 2023, conducted on NPTEL Online.

Dr.G Madhavi, Dr.S.Praveena, Mrs.P.Usha Rani, Mrs.G.Srilatha, Mrs.S.Swetha, Mrs.Archana Yadav and Mrs.B.Roopa, Title of the Award is Certified in NPTEL FDP 12 Weeks Course on “NBA Accreditation and Teaching and Learning in Engineering (NATE)” organized by Indian Institute of Science Bangalore, funded by the MoE, Govt. of India on Jan to April 2023 conducted on NPTEL Online.

D.Subhashini, Title of the Award is NPTEL course on “Computer Vision and Image Processing Fundamentals and Applications” (FDP) organized by NPTEL, on Jan - April 23 (12 Weeks) conducted on NPTEL Online.

Dr. Fayazur Rahaman Mohammad, Title of the Award is Topper 1% in NPTEL 12 Weeks FDP Course on “Reinforcement Learning” organized by Prof. Balaraman Ravindran, IIT Madras on May 2023). conducted on NPTEL Online.

Dr. Fayazur Rahaman Mohammad, Title of the Award is Certified in NPTEL FDP 12 Weeks Course on “Deep Learning for Visual Computing” organized by Prof. Debdoot Sheet, IIT Karagpur on May 2023, conducted on NPTEL Online.

Dr. Fayazur Rahaman Mohammad, Title of the Award is NPTEL Discipline Star in Electrical Engineering, organized by NPTEL, on June 2023 conducted on NPTEL Online.

Industry-Institute Interaction

- Students of II EEE visited Nuclear Fuel Complex, Hyderabad on 13-05-2023 as part of their industrial visit.
- Students of III EEE visited 400/220 kV Substation, Shankarpally, Hyderabad on 13-05-2023 as part of their industrial visit.

Details of Extra-Curricular Activities of Students

- , Resolution 2.0, on April 6th 2023, Organized by aDope club MGIT.
- Musings '23, on April 19th 2023 Organized by aDope club MGIT
- Niravna Teaser and Trailer edit during April 17th-24th 2023, Organized by aDope club MGIT
- NIRVANA Design Committee (All events) during April 25th-29th 2023 Organized by aDope club MGIT
- Dhol Event, on April 26th 2023, Organized by aDope club MGIT
- Battle of Bands Dance, on April 8th 2023
- NIRVANA Flashmob, on April 25th 2023 conducted by MGIT
- NIRVANA: Livejive on April 29th 2023 conducted by MGIT
- NIRVANA: Cultural performance, on April 29th 2023 conducted by MGIT
- Antinarcotics flashmob at Inorbit mall on June 25th 2023 conducted by Antinarcotics
- Yuva Utsav Dance Competition on June 28th 2023 conducted by MGIT
- Poster presentation, Painting (Environment day) on June 2nd 2023 conducted by Art club, MGIT
- Yuva Utsav on June 28th 2023 conducted by DoP club, MGIT
- Superannuation of Dr. S. Raji Reddy sir on June 30th 2023 conducted by Dept. of M&H.
- Flash play on April 25th 2023 conducted by Retreat, MGIT
- Short film contest on April 28th 2023 conducted by C-block seminar hall, MGIT
- Monoact contest on April 28th 2023 conducted by C-block seminar hall, MGIT

- Stage Play on April 29th 2023 conducted by Stage in retreat group, MGIT
- Shark Tank 2.0 MGIT on April 26th 2023 conducted by Idea Incubator Club, MGIT
- Open Mind with Idea Incubator MGIT on April 28th 2023 conducted by Idea Incubator Club, MGIT
- FRESCO- Musical club auditions on Feb 17th 2023 conducted by MGIT
- Battle of Bands, on April 17th 2023 conducted by KG Reddy Engineering College
- Battle of Bands on April 26th 2023 conducted by Osmania University
- Young Artists camp – painting (eve of Independence Day celebrations) on June 28th 2023 conducted by Art club, MGIT

Alumni Activities

Mr G.Sai Kiran, Mechatronics Engineering 2017, worked has Assistant Manager, Data Analytics and Electronics Cell, Mahindra & Mahindra Farm Division- Nagpur, Maharashtra. on 06.04.23 Guest Lecture “ Inspiring and developing the skills for core Engineering”, Final year (Mech & MCT).

Mr. Aditya V R Marella, 2010 Graduate, IT, MGIT, worked has Treasury Analyst, Wells Fargo, Bangalore, Career opportunities in finance for IT graduates April 26, 2023(10 AM-11 AM)

Mr. Shiva Kumar and Mr. Shravan Kumar, 2020 Alumnus ECE, worked as Digilogic Systems Tech Mahindra, Job Opportunities in Core Companies, June 24, 2023, for ECE Students.

Mr. Syed Akram, Alumnus, IT, MGIT, worked as System Engineer, Infosys Limited, Hyderabad, Exploring Privacy Techniques and best Practices, June 27, 2023 (10:15 AM to 11:15 AM), IT Students.

Mr. Sai Snehith Y and Mr. D. Sannaa Reddy, Alumni 2021, Civil, MGIT worked as Masters in Construction Management, University of Texas, Arlington, Higher Education Opportunities abroad, June 27, 2023, for CIVIL Students.

Students' Participation / Achievements (Co-Curricular/Extracurricular)

KB Smith NIthisha 19261A0347 Participated in Volley Ball competition during NIRVANA 2023

Ch. Anusha 19261A0348 Participated in Volley Ball Competition during NIRVANA 2023

Mohammad Akbar, 20261A05A3 completed Online course on “Machine Learning: Elements of Data Science” at AWS

Govardhan Sriram Kaushik, 20261A0417 completed online course on “MYSQL Basics” from Great Learning

Sunnam Harsha Vardhan 20261A05H2 Participated in “Code for India Foundation 48-hrs Hackathon” during 04th - 06th April 2023

Govardhan Sriram Kaushik, 20261A0417 persued 2 months internship from Supraja Technologies on “Cyber Security”

Prashanth,22261A04B5, participated in Discus throw during NIRVANA 2023

ATHARVA PATIL 19261A0303 Participated in “INDIA DESIGN WEEK” organized by Auto Desk on 26th April 2023

Avula Rakesh Babu Yadav, 20261A0467 Participated in “Internal Hackathon on cyber security KAVACH-2023 Ministry of Education's Innovation cell, AICTE, along with Bureau of Police Research and Development (BP R&D) and Indian Cybercrime coordination centre (I4C)” organized by MGIT on 12th & 13th June 2023

Vadla Vignesh 19261A1451 completed “Data Analyst Boot Camp 2023” and “Machine Learning Boot Camp 2023” at Udemy

T.Bhargav Sai 21261A6757, K.Vamshi Krishna 21261A6633, Anudeep George 21261A0568, B. Nikhil Simon 22261A0510 Prateek Jadhav 22261A6617 are winners of “Battle of Bands”, organized by Osmania University

Cherukuri Thanmayee 20261A0472, completed Online course on “Front end development - html”

Revanth raj G 19261411, Participated in Foot ball competition during NIRVANA 2023

Dhanasri Arvapally 21261A0419, won Second Position in “Elocution Competition” at District Level Yuva Utsav Event.



Students participated during flash play event conducted by drama club, MGIT on 25/04/2023



Students participated Short film contest conducted by Drama and film making club at C-Block auditorium, MGIT on 28 February 2023.



Students participated on monoact contest conducted by Drama and film making club at C-Block auditorium, MGIT on 28 February 2023.

