GH raisoni COLLEGE | Engineering and Management Nagpur

(An Autonomous Institute Affiliated to
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)
Accredited by NAAC with " A+"Grade

First Year Engineering Department



Annual News Letter

2023-24

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G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

(Formerly known as GHRIET, Nagpur)

First Year Engineering Department

Annual News Letter

2023-24

Our Inspiration



Shri. Sunil Raisoni

Hon'ble Chairman,
Raisoni Education, Nagpur

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Director's Desk



Dr. Vivek Kapur
Director, GHRCEM Nagpur

Dear All

Greetings from the Director's Office!

I am pleased to know that First Year Engineering Department has published the Annual Newsletter for the session 2023-24.

I congratulate the editorial board for the efforts taken to exhibit the activities / achievements carried out by the department towards excellence. It is a newsletter which highlighting the efforts of the students as well as faculty members and also the activities conducted under the first year engineering department. This newsletter will help them in continuing their activities / efforts in achieving the milestones set by them in the upcoming time.

Dean First Year 's Desk



Dr. Manjusha Aware
Dean First Year

It's a matter of great satisfaction to bring forth the newsletter of the First Year Engineering Department for the session 2023-24. The purpose of the newsletter is to make everyone aware with the activities carried out throughout the year and to acquaint all with the achievements of the students and faculty. This is our small venture and I believe this will help us in identifying the areas which we need to improve. It will help us in providing proper guidance to our budding engineers.

I appreciate the efforts put forth by the editorial board to bring out this Newsletter

Advisory Board

- **Dr. Vivek Kapur;** Director, GHRCEM, Nagpur
- **Dr Manjusha Aware;** Dean First Year, GHRCEM, Nagpur
- **Dr. Akhilesh Ugale;** Deputy Registrar, GHRCEM, Nagpur
- **Dr. Seema Raut;** Deam IQAC, GHRCEM, Nagpur

Editorial Board

- **Mrs. Shital Yadav**
- **Ms. Monika Lambsonge**

Student Induction Program "Prarambh 2023" Organized at GHRIET, Nagpur

First year engineering department organized the student induction program Prarambh 2023 for newly admitted engineering students for the session 2023-24 on 7th August 2023 on Monday. The program was started with inaugural ceremony in the Auditorium. The occasion was marked with the presence of special dignitaries honourable Dr. Vivek Kapur, Director, GHRIET, Dr. Achal Shahare, Registrar, Dr. Manjusha Aware, Dean First Year, Dr. Seema Raut, Prarambh In-charge, Mrs. Shital Yadav, Prarambh, Co-incharge. Dr. Manjusha Aware, Dean First Year welcomed the newly admitted students and informed students about the facilities provided in the institute, discipline to be maintained in the institute premises and introduced core team of the institute explained about antiraging cell, ST/SC/OBCE Minority Cell and faculty members of first year, etc.
Dr. Achal Shahare thanked all the parents for showing their immense trust towards the institution. He inspired students to work hard for the upcoming four years relentlessly to get the benefits of it for the upcoming forty constant years. Dr. Vivek Kapur congratulated the newly admitted students and informed them about quality initiatives taken by the institute for academic as well as personal growth of students. Dr. Seema Raut proposed vote of thanks. Inaugural program was anchored by 3rd semester students Atharva Ghate and Divya Kalamkar.
Induction program was scheduled for 10 days and various informative sessions on universal human values, yoga and pranayama sessions, academic and examination processes at the institute, music club event, alumni interaction, and sports were organized for the students. Great Enthusiasm among the students was seen and they actively participated in each events. This program will greatly helped the students to gather knowledge about the institute.





Forum Installation Program held in GHRIET, Nagpur Organized by First Year Engineering Department

First year engineering department organized the forum installation program for the session 2023-24 which was held in GHRIET campus on 27th September, 2023, Wednesday. The program started at around 11:30 am with huge crowd thronging at the college auditorium. The Chief guests invited at the program was the Director of the Campus Dr. Vivek Kapur and the respective HODs of all departments and Dean. The program began with the wonderful lamp lightning session. Then on dice the Director Dr. Vivek Kapur, the First Year Dean Dr. Manjusha Aware, the Cultural Secretary Mrs. Shital Yadav, the President Ankit Choudhary and the Vice President Harshvardhan Chokhandre were invited to seat and share their thoughts. After the felicitation and speeches of the guests the batches of the respective posts were pinned to the students. This year there are total 17 students who are selected for the Forum and a total of 26 Class Representatives are nominated by the voting polls by the students.
After the forum installation, the gathering was honoured with refreshments and post refreshment break musical chair, debate and quiz was organized by the faculties for the student's entertainment and interaction in which around 150 students participated in different programs.





Quiz Competition Report

G H Raisoni Institute of Engineering & Technology College has organized Quiz Competition on 27th September 2023 under the RADIANCE Forum of the First-Year Engineering Department for the Academic Year: 2023 - 2024.
The students were engaged in challenging and thought-provoking questions. The main purpose of the competition is to encourage students to gain General knowledge, apart from Subject knowledge including competitive aspects.
Rules and regulations of the quiz were explained at the beginning. The competition includes objective questions which engaged the students. There were a total of 33 students who participated in Competition. Winners were selected based on the evaluation criteria.
The winners of the Quiz Competition event are as follows:

1st Winner	1. Kaveri Pawar	-	IT (I)
	2. Aaditya Chanore	-	IT (I)
	3. Nishant Kapgate	-	IT (I)
2nd Winner	1. Maithili Hasoriya	-	ETC (J)
	2. Avinash Madnani	-	CSE (A)
	3. Aditya Jha	-	IT (I)

The student in-charges are as follows:

1. Mr. Deep Sengar
2. Ms. Veena Punde
3. Mr. Rohit Kale
4. Ms. Pranshi Warade
5. Mr. Karan Baghale
6. Ms. Prachi Tiwari
7. Ms. Princi Singh





The activity was coordinated by the Faculty In-charges, Dr. Rushikesh Bankarl, Dr. Purushottam Naktode and Mr. Abhijit Maidamwar, First Year Engineering Department, along with the Student Committee under the guidance of Dr. Vivek Kapur, Director, Dr. Manjusha Aware, First Year Dean & Mrs. Shital Yadav, RADIANCE Forum In-charge.

Report on Parent Teacher Meeting (PTM 1)





Glimpses of Parent Teacher Meeting of First Year Engineering Department

Parent Teacher Meet was conducted in First Year Engineering Department of G H Raisoni Institute of Engineering and Technology, Nagpur on 21 October 2023.Total 206 parents enthusiastically visited for the PTM. The main objective of the meeting was to have a dialogue with parents related to their wards performance, regularity, participation in co-curricular and extracurricular activities and motivate students for overall progress through timely corrective actions. Dr. Vivek Kapur, Director GHRIET, Nagpur motivated to organize PTM. Dr. Manjusha H. Aware (Ugale), Dean First Year guided all the staff for the conduction of this meeting. Dr. Purushottam Naktode and Aarti Thakur, PTM In-charge, all class teachers and non- teaching staff took all the efforts to make this meeting successful.

Industrial Visit for First Year Students Organized by First Year Engineering Department, GHRIET, Nagpur



Glimpses of Industrial Visit of First Year Engineering Department

Industrial Visit was conducted in First Year Engineering Department of G H Raisoni Institute of Engineering and Technology, Nagpur on 26 October 2023and 27-October-2023 at Gorewada Water Treatment Plant. Total 163 students enthusiastically visited Gorewada Water Treatment Plant for the industrial Visit. The main objective of the industrial visit was to provide practical exposure to the students. Mr. Pratiksha Shende and Mr. Pankaj Meshram, experts at the treatment plant detailed out the structure and working of the water treatment plant. The students witnessed the functioning of the various water treatments such as aeration, coagulation, sedimentation, filtration, and disinfection at the plant. Dr. Vivek Kapur, Director GHRIET, Nagpur motivated to organize industrial visit. Dr. Manjusha H. Aware (Ugale), Dean First Year, Coordinators Rohit Gaidhane and Roshan Jaiswal took efforts to organize industrial Visit. Other teachers also participated actively to make this visit successful.

Report on Badminton Competition Organized by Radiance Forum

First year engineering department organized the badminton doubles competition under the first year student's forum Radiance on 28th and 30th October 2023, Saturday. Total 83 B. Tech first year students from different branches participated in that activity. Badminton matches were taken separately for the boys and girls in badminton court of Boys and girls hostel respectively. First round of the badminton was taken on date 28th October 2023 and finale was taken on date 30th October 2023. First Winner from boys of badminton doubles competition was Ankit Chaudhary FY Civil Branch and Pushkar Choudhary from Electrical branch Runner-up from boys was Archit Ranka from AI branch Vedant Pandey from CSE branch Winners from girls Single was Janhavi Panhalkar from AI branch and runner-up was Harshada Surkar from ETC Branch. Certificates were given to all participants and winners of the activity felicitated with exciting cash prizes.

Mr.Roshan Jaiswal Coordinated the boys badminton competition and Ms. Pooja Bhandekar coordinated the girls badminton competiton, they took great efforts to organize successfully badminton matches at court under the guidance of Mrs. Shital Yadav, Radiance forum Incharge and under the kind support and motivation of Dr. Vivek Kapur, Director GHRIET, Nagpur and Dr.Manjusha Aware, Dean First Year.



Glimpses of Badminton Competition

Report on Creative writing Competition organized by First Year Engineering Department GHRIET, Nagpur

First year engineering department organized the Creative writing competition under the student's forum Radiance on 6th October 2023, Friday. Total 126 B.Tech first year students participated very enthusiastically, actively in that activity. Various Interesting topics were given to them for participation like 'Life without the mobile phone', 'Application of technology in education sector', 'How will I live in Stone age'. First winner of creative writing competition was Smit Yemulwar Mechanical sec M, Second winner was Ankit Katole ,CSE Sec-A, Third winner was Parineeta Kitukale Civil Sec –L. Certificates were given to all participants and winners of the activity were felicitated with exciting prizes.

Dr. Vivek Kapur, Director GHRIET, Nagpur motivated the staff to organize such a competition. Dr.Manjusha Aware, Dean First Year, Coordinators and Forum In charge Mrs. Shital Yadav Ms.Pooja Bhandekar, Mrs.Roshni Wawge Ms.Monika Lambsonge took efforts to organize Creative writing competition successfully.





Glimpses of Creative writing competition

Guest lecture titled "Cloud Technology" Organized by First Year Engineering Department at GHRIET, Nagpur

First Year Engineering Department of G H Raisoni Institute of Engineering and Technology (GHRIET) organized a guest lecture on 8th Nov 2023 for the 1st semester students on "Cloud Technology ".The expert was Mr. Anil Tatode, Training Officer, RTMNU's ROBOTIC & Cloud Technology Department Nagpur. He delivered lecture to students on Introduction to Cloud Technology, Evolution of storage systems, Definitions and examples of cloud-based Applications and Computing Vs Cloud Computing. Also guided students for career opportunities & hot job roles in Cloud Technology. Total 75 students were benefitted from the lecture. Vote of thanks was given by Mrs Geetanjali Kale, program coordinator. The programme was conducted under the guidance of Dr. Manjusha Aware, Dean First Year, GHRIET, Nagpur. Dr. Vivek Kapur, Honorable Director, appreciated the efforts taken by First Year Engineering department for successful conduction of the Expert Lecture.





Guest lecture titled "Science Spirituality & Meditation" Organized by First Year Engineering Department, GHRIET, Nagpur

First Year Engineering Department of G. H. Raisoni Institute of Engineering and Technology (GHRIET) organized a guest lecture on 8th Nov 2023 for the 1st semester students. The expert was Mr. Liladhar Thamke, Computer Engineer and Psychological Counselor, Nagpur. The title of this lecture was "Science Spirituality & Meditation ". He explained students the importance of Meditation and concept of science & spirituality. Explained how life skills are important for successful & peaceful life. Total 88 students were benefitted from the lecture. Vote of thanks was given by Dr. Manjusha Aware, Dean First Year, GHRIET. The program was coordinated by Mrs Geetanjali Kale, Assistant Professor, First Year Engineering Department, GHRIET under the guidance of Dr. Manjusha Aware, Dean First Year, GHRIET Nagpur. Honorable Dr. Vivek Kapur, Director GHRIET appreciated the efforts taken by First Year Engineering department for successful conduction of the Expert Lecture.





HPV Vaccination Drive for girls Age between 9 to 20 years Organized at GHRIET, Nagpur

G H Raisoni institute of engineering and technology Nagpur in association with SGR knowledge foundation and Swasthya Vriksha Foundation organized a free HPV vaccination camp for girls age between 9 years to 20 years on dated 11th December at Shraddha Park Campus, Nagpur. Prior to the vaccination camp cervical cancer awareness program was conducted at the college by the team of doctors .Dr. Deepika Chandhok founder and President of Swastya Vriksha foundation, Dr. Priti Jaiswal,Dr. Ankita Niswade, Mr.Tarique Raza, Dr. Jasmeet Chandhok, Mr.Abhishek Chawla members of Swastya Vriksha Foundation and Dr. Nupur Khare, Director Team Cancer Patients Aid Association, Priya Prasad ,Assistant Director and Ms. Nazia Khan Lab officer. Total 629 college and schools girls of RGI group benefitted with HPV vaccine. After vaccination Biscuits packets and energizer distributed amongst girls students. Drive was organized to celebrate the birthday of founder of RGI Group Mr. Sunil Raisoni. Mrs. Shital Yadav, faculty of first year Engineering Department, GHRIET coordinated the vaccination drive under the motivation of Dr. Vivek Kapur, Director GHRIET and Dr. Manjusha Aware, Dean First Year. Mr. Rohit Gaidhane, Dr. Chitra Khade ,Mrs. Geetanjali Kale, Mrs.Shruti Garade Dr. Vishakha Nagrale. Ms.Pooja Chawda Ms Mrunalini Boratkar, Ms Pooja Bhandekar, Mrs. Shruti Waikar, took efforts for successful completion of the vaccination drive.









Report on Treasure Hunt and Fun Activity Competitions Organized Under First Year Students Forum "Radiance"

First Year Engineering Department of G H Raisoni Institute of Engineering & Technology, Nagpur organized Treasure Hunt and Fun Activity Competitions under the First Year Student Forum "Radiance" for the student of First Year Engineering (All Branch). The Competition was organized on dated 6th January 2024 at 8:30 AM to 2PM in premises of GHRIET Campus. Total 300 First Year Students from different branches participated in the competition. Enthusiasm among all students were clearly seen.

All the winners were felicitated with cash prizes and certificates. Also, students who participated in the activity were given the participation certificates.

The activity was coordinated by faculty in-charges Mrs.Vrushali Raut, Mr.Shubham Kewte and Mrs.Shruti Waikar, First Year Engineering Department under the guidance of Dr.Vivek Kapur, Director, Dr.Manjusha Aware, First Year Dean, Mrs.Sital Yadav RADIANCE Forum In charge.



Glimpses of Treasure Hunt and Fun Activity Competitions

Report On Workshop organized by First Year Engineering Department at GHRIET, Nagpur

First Year Engineering Department organized the workshop on Digital Detox on occasion of Youth Day under the First Year Student's forum Radiance. The Event was organized on dated 12th January 2024 at 1:30 PM to 2:30 PM at APJ Abdul Kalam Hall, GHRIET. Speaker of the guest lecture was renowned Dr. Smita Pakhmode, Doctor at Lata Mangeshkar Hospital, Hingna Road Nagpur. She told about the hazards of keeping mobile phone and how to detox ourselves from mobile problem. Various activities also organized under this program Total 70 First Year Students from different branches have participated in the event. First year students enjoyed the motivational lecture. The activity was coordinated by forum students under the guidance of Dr. Vivek Kapur, Director GHRIET, Nagpur, Dr. Manjusha Aware, First Year Dean, Mrs.Shital Yadav Forum Incharge.





Achievers Adventure Camp Report

The department of First Year Engineering, G H Raisoni Intitute of Engineering & Technology, organized an 2-days Adventure Camp in Dhoda, Borgaon, Saikheda, Madhya Pradesh from dated 19/01/2024. Three Hundred and ninety-seven (397 Nos.) students of B. Tech. 2nd Semester attended the visit under the guidance of faculty In charge and other Faculty members.

Subedar. SS Baghel , experts at the Adventure camp and explained the basic survival skills which each students must inculcate in their daily life . The students witnessed the functioning of the military lifestyle from prominent personalities from the armed forces and society. The camp has Student- centric holistic Development, well rounded personality development along with inculcation of officers like qualities.

For the holistic development of a student, extra-curricular outdoor fun activities have an important role to play along with academics. Adventure camps generate thrill and excitement among students They are not only fun but also help in inculcating several social skills in students like team spirit, risk taking, collaboration and enhancing gross and fine motor coordination in them.

G H Raisoni Institute of Engineering and Technology, Nagpur, teamed with Achievers Adventure Camp designed & Developed by Global Education Limited to provide one such enriching and rejuvenating experience to the students of G .H Raisoni Institute of Engineering and Technology within the safe environs of the college premises.

The adventure camp was scheduled from January 19, 2024. A plethora of adventure activities kept the students excited and hooked throughout the day. The camp commenced with the students being divided in groups and briefed about the precautions to be taken and the instructions to be followed during the course by their coaches who were active, well trained and zealous facilitators. The participants were exposed to various adventure activities like – the Burma Bridge, Huddles, Commando Crawl, Hop Scotch, Hamster Wheel, Body Zorp, Net Climbing, Zip lining, Tent Pitching, Navigation skills and other energizing games. It was a day filled with adventure and experiential learning wherein the students enjoyed the newfound independence and self-belief as they faced each challenge powered with fun.









Report on My Campus Clean Campus Drive Organized Under First Year Students Forum “Radiance”

First Year Engineering Department of G H Raisoni Institute of Engineering & Technology, Nagpur was organized the My Campus Clean Campus Drive under the First Year Student Forum “Radiance” for student of First Year Engineering (All Branch). The drive was organized on dated 20th January 2024 at 8:30 AM to 9.30 PM in premises of GHRIET Campus. Total 80 First Year Students from different branch, all forum members and all class representative participated in the activity. Enthusiasm among all students were clearly seen. Various parts of campus like lawn, parking area, and ground were cleaned under the drive. The activity was coordinated by faculty in-charges Mrs. Shital Yadav, RADIANCE Forum In charge with the help of other faculty members of First Year Engineering Department under the guidance of Dr. Vivek Kapur, Director, GHRIET, Nagpur and Dr. Manjusha Aware, Dean First Year.









Report on Wall painting Competitions Organized under First Year Students Forum “Radiance”

First Year Engineering Department of G H Raisoni Institute of Engineering & Technology, Nagpur organized Intra Wall painting Competitions under the First Year Student Forum "Radiance" for all student of GHRIET campus. The Competition was organized on dated 20th January 2024 at 11:00 AM to 2PM in premises of GHRIET Campus. Total 45 Students from different branch had participated in the competition. Enthusiasm among all students were clearly seen. First winner team was Madhusmita Pradhan and team from Electrical 4th semester. Second winner was Vedanti Bhende from First year AI Branch and team and third winner was Shreya Dewalkar and team from First year AI Branch. Judges for competition were Dr.Arvind Mahalle, Dean Administrative, Dr. Devashree Marotkar, HOD ETC Department and Dr.Sonali Ridhorkar HOD CSE Department, All the winners were felicitated with cash prizes and certificates. Also, students who had participated in the activity were given participation certificates.
The activity was coordinated by faculty in-charges Mrs.Vrushali Raut, First Year Engineering Department under the guidance of Dr.Vivek Kapur, Director, Dr.Manjusha Aware, First Year Dean, Mrs.Shital Yadav RADIANCE Forum In charge.








Model Making Competition Organized by First Year Engineering Department at GHRIET Nagpur

First Year Engineering Department organized Model Making Competition under the First Year Students "Radiance Forum". The Competition was organized on dated 16th February 2024 at 1:00 PM at First Floor, First Year Corridor, GHRIET Building. Total 88 First Year Students from different branches have participated in the competition. Enthusiasm among all students was clearly seen. They have participated in full enthusiasm. Judges for the competition was Dr. Ganesh Akhade (Dean Poly), Dr. Devashree Marotkar (Head, ETC) and Dr.Swati Dixit (Dean Academics). First Winner Model was Li Fi Model prepared by Karan Baghele and Karan Soni from sec B CSE Branch ,Second winner model was the Sensor Alarm goggle prepared by the Aditya Jha,Jilani Sheikh,Umang Gadekar, Saksam Tembhe and Ismail Sheikh from sec I IT Branch.Third winner model was PIR Model prepared by Rutwik Mule,Sahil Karande,Nasir Maaz, Lkhita Nikhare,Rishi Wakodkar from Sec E ai Branch..On the basis of presentation given by participants and prepared model winners were selected by the judges. Same day winners were announced by the Judges. The winner and runner up members were distributed Cash Prize and Certificates. The activity was coordinated by Faculty In-charges Ms.Ayushi Tiwari, Ms Swapnili Moon and Mr.Amir Virani, First Year Engineering Department under the guidance of Dr. Vivek Kapur, Director, Dr. Manjusha Aware, Dean First Year, Mrs. Shital Yadav, Radiance Forum In charge.





Art Exhibition Competition Organized by First Year Engineering Department at GHRIET Nagpur

First Year Engineering Department organized Art Exhibition Competition under the First Year Students “Radiance Forum”. The Competition was organized on dated 16th February 2024 at 12:00 PM at First Floor, First Year Corridor, GHRIET Building. Total 51 First Year Students from different branches have participated in the competition. Beautiful art created and displayed by the students. Respected Director Sir, Deans, HODs appreciated the work done by students. Judges for the competition were Dr. Madhuri Tayal HOD DS and, Dr. Seema Raut Dean IQAC. First Winner of art exhibition competition was Mr.Harsh Bodele second semester IT branch

second winner was the Sharv Bahad from second semester sec L civil branch and third winner of the competition was the Nidhi Kadao CSE B Khushi Nitnaware and Gayatri Gaidhani from section L. On the basis of creativity of the participants winners were selected by the judges. Same day winners were announced by the Judges. The winner and runner up members were distributed Cash Prize and Certificates. The activity was coordinated by Faculty In-charges Ms.Shruti Garade, Ms Aninya sarkar and Mr.Rohit Gaidhane, First Year Engineering Department under the guidance of Dr. Vivek Kapur, Director, Dr. Manjusha Aware, Dean First Year, Mrs. Shital Yadav, Radiance Forum In charge.









Parent Teacher Meet (PTM 2) organized by B.Tech. First Year Engineering Department of GHRIET, Nagpur

The Department of B.Tech First Year Engineering of G H Raisoni Institute of Engineering & Technology, Nagpur has organized a PTM (Parents-Teacher Meet) program. This Program is a platform where parents and teachers interacts with each other and discuss the activity schedule of department, which is too much helpful regards to the students future work and performance. This program was conducted on 02nd March 2024 from 11:00 am to 2:30 pm. In this program Dr.Manjusha Aware (Ugale), Dean First Year Engineering given brief on First Year Engineering department and its activities, conducted throughout the year. All parents were shown the academics performance of their Ward by the respective Class Incharges.









Valedictory program of Radiance forum Organized by First Year Engineering Department at GHRIET Nagpur.

First Year Engineering Department of G H Raisoni Institute of Engineering & Technology, Nagpur organized the valedictory program of the radiance forum on dated 19th March 2024, Tuesday. In this occasion 17 forum members and 26 class representative of 13 sections were felicitated with gift and certificate as they worked very hard to organize the activities under the radiance forum. Winners of various activities which was conducted throughout the year under Radiance forum also felicitated with certificated, medal and prizes. Chief guest of the valedictory program was Dr. Vivek Kapur, Director GHRIET, Nagpur. Details of activities and its summary presented by President of radiance forum

Mr. Ankit Choudhary. Dr. Manjusha Aware, Dean First Year addressed and congratulated the students. Dr. Vivek Kapur motivated the students to participate actively on all the activities which will be conducted in college levels and congratulated all the students in his speech. Mr. Harshwardhan Chokhandre Vice president of the radiance forum and Mr. Piyush Pariwakam Shared their experience about the forum. Vote of thanks was given by Mrs. Shital Yadav, in charge Radiance Forum.
Valedictory program of First Year Engineering Department was coordinated by Mrs. Shital Yadav, Forum incharge under the guidance and motivation of Dr. Vivek Kapur, Director, Dr. Manjusha Aware, Dean First Year .





Achievements of First Year Faculty Members Session 2023-24

Copy Right :

1. Mrs.Shital Yadav - Copyright on topic "Presentation on Partial Differential Equations". (L-131976/2023).
2. Dr. Chitra Khade Copyright on topic "PPT on Electric and Magnetic Field". (L-132011/2023).
3. Dr. Vishkha Nagrale- Copyright on topic "Neural Network Learning Rules" (31876/2023-CO-L)
4. Mrs. Anupama Gomkale Copyright on topic "2 in 1 Laser Engraving CNC Cutting Machine" (2604/2024-CO/L)

Patent :

Mrs. Geetanjali Kale -Phone Cover Based Mobile Chargers 397905-001 .

2 Dr. Chitra Khade Patent on "Eight Element Mimo Antenna" Patent No. 444794.

3 Dr. Pankaj Kawadkar ,IOT Based Photovoltaic Cell Testing Device Patent No. 412270-001

4 Mrs. Leena Yelmule- Big Data Based Application of Electronic Technology in Communication Engineering, Patent No. 202321031786A.

5 Mrs Swapnali Moon, Dr. Rushikesh Bankar, Mrs. Leena Yelmule - Method and System for Real-Time Adaptive Power Management in Electrinic Devices Patent No. 202421033333 A

6 Dr. Rushikesh Bankar, Smart Wearable Device for Continuous Health Monitoring and Emergency-Registration No.6361985

7 Mrs Swapnali Moon, Dr. Rushikesh Bankar, Mrs. Leena Yelmule -Autonomous Drone Navigation Device Incorporating Machine Learning for Obstacle Avoidance.Filed

Reviewer in Conference

- Dr. Anisa Ahmad-Recognition Reviewer contribution to International Conference on Research Frontiers in Science organized by GHRCE on 21 and 22 July 2023
- Dr. Seema Raut-Recognition Reviewer contribution to International Conference on Research Frontiers in Science organized by GHRCE on 21 and 22 July 2023
- Dr. Chitra Khade Reviewer in "International conference on Research Frontiers in Science" (ICRFS-2023) organized by GHRCE on 21 and 22 July 2023.
- Dr. Vishakha Nagrale, Evaluation book chapter for publication Harnessing AI and Digital Twin Technologies in Business, Feb 8 2024.
- Aninnya Sarkar- as a Resource person in National level conference on 'National Education Policy 2020'. 16 & 17 Feb 2024
- Dr. Rushikesh Bankar Recognition of Reviewer Contributed to the ICACEBD-24, 7 & 8 June 2024

Research Paper Publication in Journal:

- Dr. Anisa Ahmad Research paper published in SCI index Journal "Bianchi Type-III Cosmic Strings And Domain Walls In F(R, T) Gravity Journal Of Dynamical Systems & Geometric Theories".
- Dr. Akhilesh Ugale Research paper published in SCI index Journal "Effect of lanthanide doping on the optical properties of Barium Yttrium Borate" Taylor & Francis.
- Dr. Seema Raut Research paper published in SCI index Journal Several Implication for Forecasting a Brain Attack Utilizing Mathematical Technique Journal of Statistics & Management Systems
- Mrs. Shital Yadav- Research paper published in Scopus index Journal Communications on Applied Nonlinear Analysis ISSN: 1074-133X, Vol 31 No. 2s (2024). Mathematical Modelling of Hormonal Contraceptives and Cervical Cancer Risk.
- Mrs. Shital Yadav Research paper published in Scopus index Journal Communications on Applied Nonlinear Analysis ISSN: 1074-133X, Vol 31 No. 1 (2024).Optimization for Parameter Estimation in Mathematical Model to Predict the Behaviour of Immune System.
- Dr. Chitra Khade Paper published Four Element EC Slot MIMO Antenna for WLAN, Wi-Fi, and 5G Applications Khade, S.S., Bhoyar, D.B., Kotpalliwar, K.,Bawankar C.V.,Kimmatkar, M.S. Progress In Electro magnetics Research.2024, 139, pp. 147–158
- Dr. Chitra Khade Paper published "Modification of Structural and Dielectric Properties of SmFeO3 Orthoferrites System by Ce Doping" Gaikwad, U., Acharya, S., Shirbhate, S., Khade, C. Integrated Ferroelectrics, 2023, 237(1), pp. 186–196
- Dr. Manjusha Ugale Paper published in UGC

journal “Study of Heavy Metal Ions and Its Removal from Wastewater by Using Activated Carbon as Waste Tire Rubber”

- Mr. Yogesh Rathod Paper published in UGC journal “Role of Inhomogeneous Equation of State with Bulk Viscous Fluid in Bianchi Type II Universe”.
- Mr. Yogesh Rathod Paper published in UGC journal “Effect of modified EoS with massive scalar field in the framework of Bianchi type V Universe.
- Mrs. Sanjeevani Bakale Paper published in UGC journal Theories if Communication Ethics and Behavior: Does AI Help in to Make Smooth Communication?
- Dr. Rushikesh Bankar Paper published “Distance and User-defined Overcurrent Relay Coordination for IEEE-14 Bus Test System”
- Dr. Akhilesh Ugale Paper published in UGC journal “Exploring the Feasibility of Eu (TTA) 3TPPO as Pigment for Fluorescent Paint”
- Dr. Akhilesh Ugale Research paper published in Scopus index Journal “A Review on Challenges and Opportunities in Perovskite Solar Cells”.
- Mrs. Swapnali Moon Paper published “Emerging Paradigms: Student Perspective on the Integration of Artificial Intellegence in Education”.
- Ms. Aninya Sarkare Paper published Coordination for IEEE-14 Bus Test System

Book Published and Book Chapter

- Mrs. Shital Yadav Book published under LAMBERT Publication. “Mathematical induction and Mathematical logic part-1.” ISBN No 978-620-7-47100-3
- Dr. Chitra Khade Book Chapter: “A Triangular Patch Antenna for WLAN Application” Khade, S., Roy, S., Burele, K., dhole, J., Bawankar, C. (2023). A Triangular Patch Antenna for WLAN Application. In: Ray, K.P., Dixit, A., Adhikari, D., Mathew, R. (eds) Proceedings of the 2nd International Conference on Signal and Data Processing. CSDP 2022. Lecture Notes in Electrical Engineering, vol 1026. Springer, Singapore. https://doi.org/10.1007/978-98199-1410-4_1
- Dr. Pankaj Kawadkar Book published on topic Artificial intelligence, May 2024 ISBN 788197252280
- Mrs. Geetanjali Kale Book Chapter AI application and digital twin technology have the ability to completely transform the future, IGI Global publication.
- Mrs. Anupama Gomkale - Book Chapter Digital Image Processing Using Python Language.

NPTEL Course Cleared

- Dr. Vishakha Nagrale-ELITE Certificate in Problem Solving Through Proramming in C
- Dr. Vishakha Nagrale -ELITE Certificate in Programming in Python.
- Mrs. Anupama Gomkale -ELITE Certificate in Patent Drafting for Beginners
- Mrs. Anupama Gomkale -ELITE Certificate in Research Methodology
- Ms. Pooja Chawda -ELITE Certificate in Basics of Spanish Language and Culture

Ph.D awarded

Mr. Yogesh Rathod awarded with Ph.D in Mathematics by RTMNU





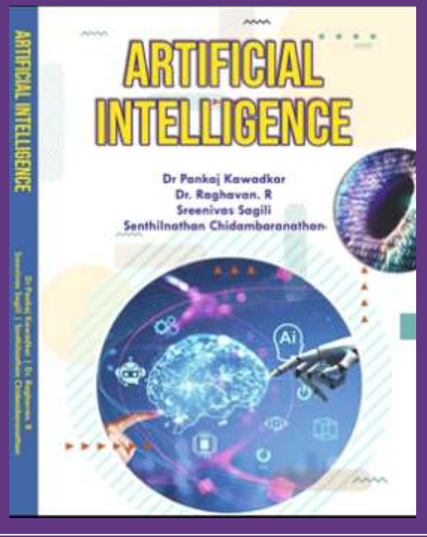














12

REPRESENTING CULTURAL SPATIAL DIFFERENCES IN MAMANG DAI'S *STUPID CUPID*

ANINNYA SARKAR

Northeast being termed as the 'Other' in the imagined spectrum of the mainland India has a distinctive identity to portray by its unique socio-cultural dimensions. Author Mamang Dai belonging to Arunachal Pradesh minutely draws the spatial differences in the lives of her marginalised characters, in the novel *Stupid Cupid*, who travels all the way from Northeast to the central capital of the country Delhi, with a motto to represent her own land and in retaliation undergoes cultural transformation and social transgression due to the spatial differences between the locations of the two diversified states of India. The central character Adna attempts ritual passages from one state to another, and in the transitional moments introspects herself as a changed person, whose vivid views for mainland fantasy world Delhi dismantles and gets structured as a materialistic hollow universe. She desperately longs herself to a peaceful eco-spiritual world, which is hidden in her own mother land and the peripheral villages of Itanagar. Dai's cultural narratives interestingly highlights the serene cultural patterns of Northeast India and the glowing lights and sounds of the national capital Delhi in a balanced form binding the mentality and lifestyle of both the places and its people. Thus, this paper is an attempt to bring into limelight the cultural perspectives and the cultural transitions that the people of Northeast face while contradicting with the routines of the mainland India.

Homi K. Bhabha designates beginnings and endings as the sustaining myths of middle years by which a person find themselves "in the moment of transit where space and time cross to produce complex figures of difference and identity, past and present, inside and outside, inclusion and exclusion" (Bhabha 2). To speak on the context of space, it is necessary to bring the theme of liminality.

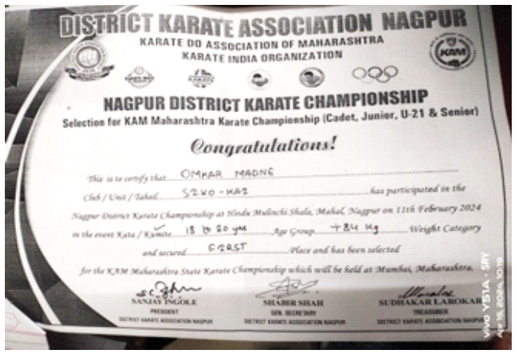
Achievement of Students

- Piyush Pariwakam (Sec C CSE) - Received second Prize in the NASA Model United Nations organized by NASA in YCCE at 14 to 15 October 2023.
- Piyush Pariwakam (Sec C CSE) -Received high commendation award in the Laxminarayan Institute of Technology Model United Nations 2023 held in LIT at 25 and 26 August 2023.
- Ms.Veena Punde (Sec G DS) Runner up Volleyball tournament RTMNU, Nagpur
- Omkar Madne (Sec E AI) -First Winner Nagpur District Karate Championship 11th Feb 2024
- Jilani Sheikh(Sec I IT) -2nd in Adhyaan 24 National Level Technical Symposium at Government College of Engineering, Nagpur













Topper List

Sr. No	Section	Topper	Toppers Name	CGPA
1	A	1	A-25-Anushka Vinod Dhawas	9.50
		2	A-23-Anshika Arun Bhardwaj	9.45
		3	A-31-Aryaman Nandkishaor Bhnage	9.40
2	B	1	B-22-Mayank Sanjay Zode	9.68
		2	B-40-Paras Vinod Funde	9.55
		3	B-30-Nidhi Deepak Kadao	9.48
3	C	1	C-49-Trusha B Hatzade	9.88
		2	C-09-Sanskruti S Uge	9.83
		3	C-36-Tanmai Y Chavhan	9.60
4	D	1	D-17-Aryan Kiran Budhe	9.38
		2	D-40-Divyani Chhatralal Katre	9.28
		3	D-39-Dhruv Ramesh Dekate	8.9
		3	D-59-Kashish Ishwardas Pidwani	8.9
5	E	1	E-17-Mitali Sadanand Mohurle	9.45
		2	E-48-Purva Vinayak Wagh	9.35
		3	E-16-Mitali Pawan Dobale	9.18
6	F	1	F-17-Shreya Dnyaneshwar Dewalkar	9.85
		2	F-8-Sarya Vijay Jaiswal	9.45
		3	F-28-Sujal Abhay Bhupal	8.93
7	G	1	G-21-Hitesh Rajesh Rinayat	9.48
		2	G-50-Shrushti Jitendra Kurve	9.40
		3	G-17-Esha Devendra Patel	9.25
		3	G-56-Tejashri Dhanraj Kshirsagar	9.25
8	H	1	H-55-Suhani S Tatte	9.78
		2	H-21-Harsha Y Bhonge	9.68
		3	H-43-Sakshi Sanjay Kubade	9.25
9	I	1	I-21- Harsh Dinesh Bodele	9.70
		2	I-15-Charvi Kailash Khandar	9.68
		2	I-31 Lochan Shamdeo Gole	9.68
		3	I-8 Anushka Suhas Kolte	9.55
10	J	1	J-28-Maithili Sachin Hasoiya	9.93
		2	J-26-Labpreet Amarjeetsingh Juneja	9.68
		3	J-55 Tanisha Dewanand Bokde	9.43
		3	J-56-Trisha Chandrashekhar Kanode	9.43
11	K	1	K-14-Avinash Suresh Paswan	9.40
		2	K-52-Shrutika Ganesh Nimje	9.30
		3	K-1-Aakansha Narayan Parate	9.15
12	L	1	L4-Ankit Rahul Chaudhary	10
		2	L-18-Kankeshwari Sheshrao Balpande	9.93
		3	L-28-Pranali Surendra Lokhande	9.25
13	M	1	M-17-Himanshu Anil Rathi	9.73
		2	M-4-Ankit Yashwant Navghare	9.28
		3	M-5-Anmol Anil Dhamne	9.10