



Mahatma Gandhi Mission's

**College of Engineering, Nanded**

Affiliated to Dr. B.A.U., Lonere. Accredited by NAAC with B++ Grade (2018),  
NBA Accredited (2006-09), Approved by AICTE, New Delhi



## 2 Days Hands-on Workshop on Android App Development

Department of Computer Science & Engineering in association with Computer Society of India Students' Branch organized the 2-days hands-on workshop on "Android App Development" on 17<sup>th</sup> and 18<sup>th</sup> May, 2023. The workshop was inaugurated in the presence of Dr. A. M. Rajurkar, Student's Branch Counsellor & HoD of CSE Dept., Mr. Rahulsingh G. Bisen, Workshop CSI ordinator & Asst. Prof. Dept. of CSE, all faculties of CSE department and our resource person.

Mr. Kiran Kumar Jadhav (Senior Research Engineer & Trainer, Techradiance & Harbour Technologies, Mumbai) was invited as a resource person for this workshop. He has excellent skills in Android app development, open source technologies, embedded systems and programming tools like C, C++ and Python. He has also completed many projects on Android, IoT Based Smart Car Parking System and Futuristic Humanoid Robots: Past, Present & Future.

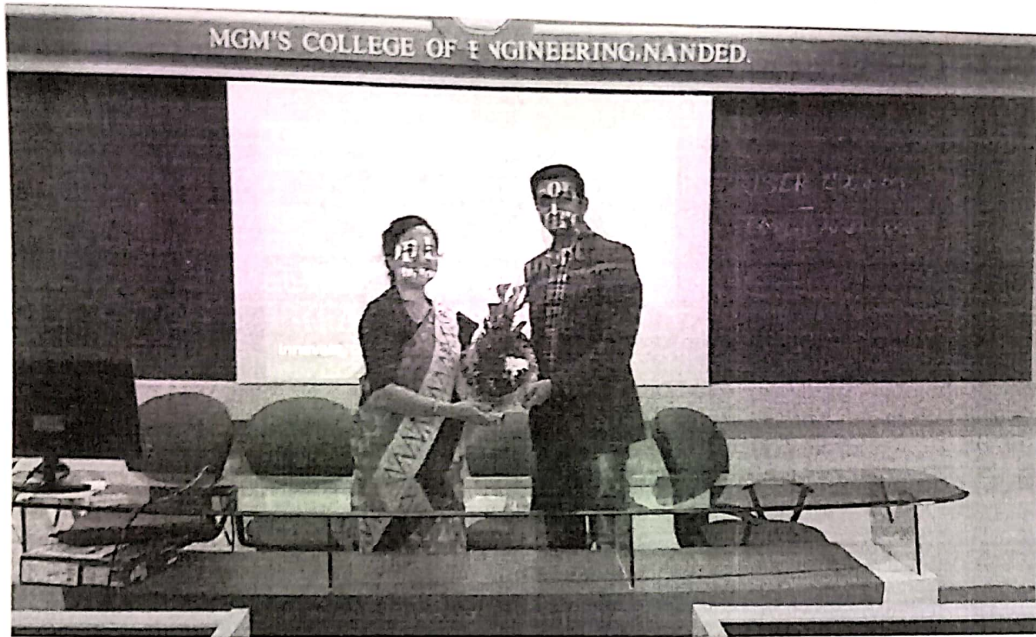
A total of 50 students from second and third year of CSE department participated in the workshop. The main motive of this workshop was to provide students with a hands-on experience of Android app development.

The first day began with the introduction of Android. This session covered the history, strengths, weaknesses, and applications of Android development. Then the session continued with hands-on training using MIT app inventor. Participants learned how to build a simple application using MIT app inventor and also implemented their first project. The participants made a simple as well as a voice recognition based calculator as their first two projects on this day.

The second day began with a recap of day-1. Soon after the recap, for the first half, the students were divided into groups of 4-5 students in each. A competition was held within the groups and the winning criterion was to make a unique and working application using MIT app inventor. Many great projects were made by the participants like children's nursery application for fun learning, clone of Chatgpt, dating application, messenger application, step counter, flash light and much more and the winning team was to get a chance to attend the grand finale at IIT, Bombay and exhibit their project. In the second half, the participants were introduced with Android Studios along with various tools in it. They were also asked to make an application using Android Studios.

The event was organized by the CSI Students' Council under the guidance of respected Director, **Dr. Geeta S. Lathkar**, Student's Branch Counsellor & Head of the Computer Science and Engineering Department, **Dr. Archana Rajurkar** and CSI Co-ordinator **Mr. Rahulsingh G. Bisen**. The event received a good response and active participation from many students.

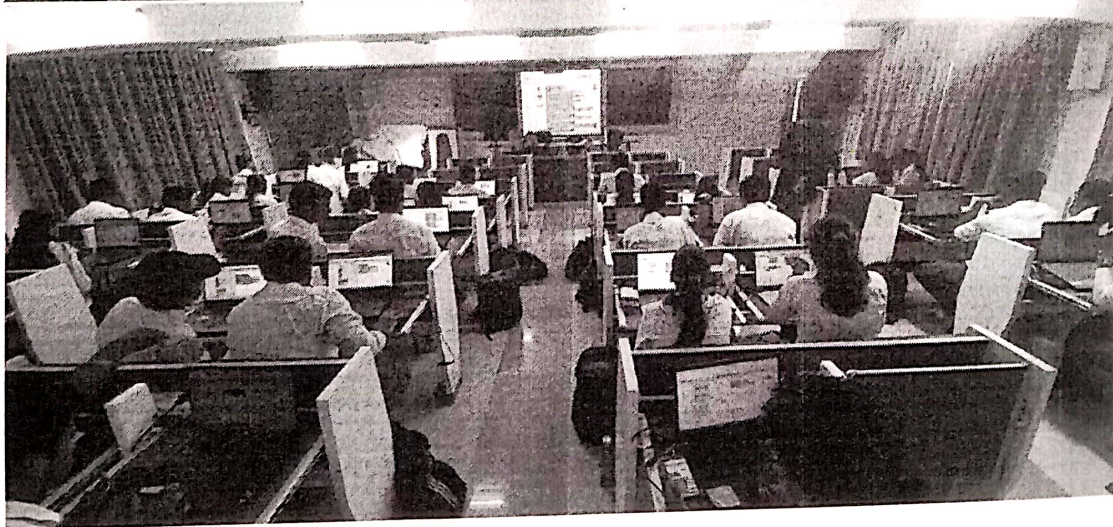
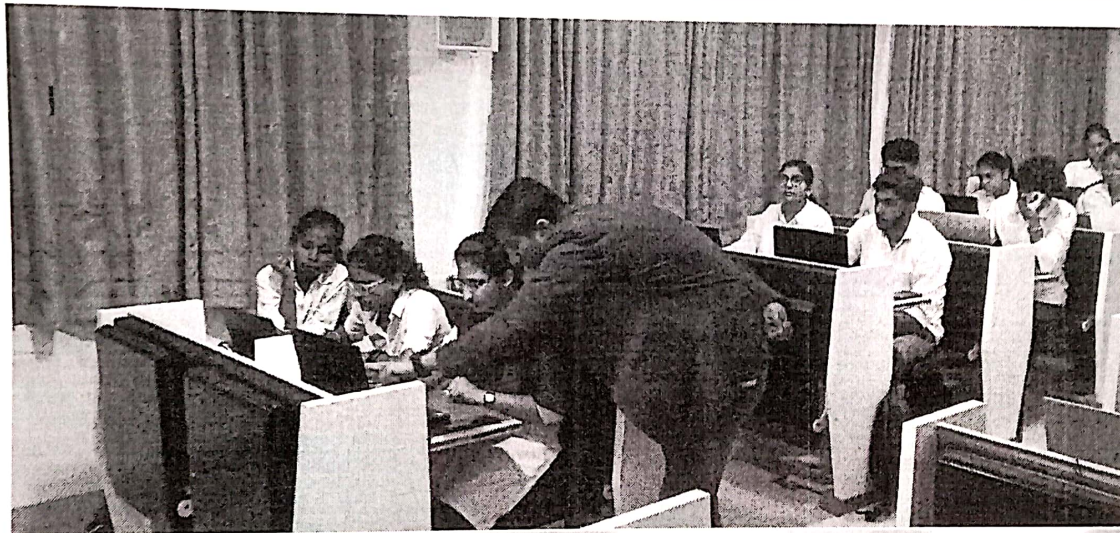
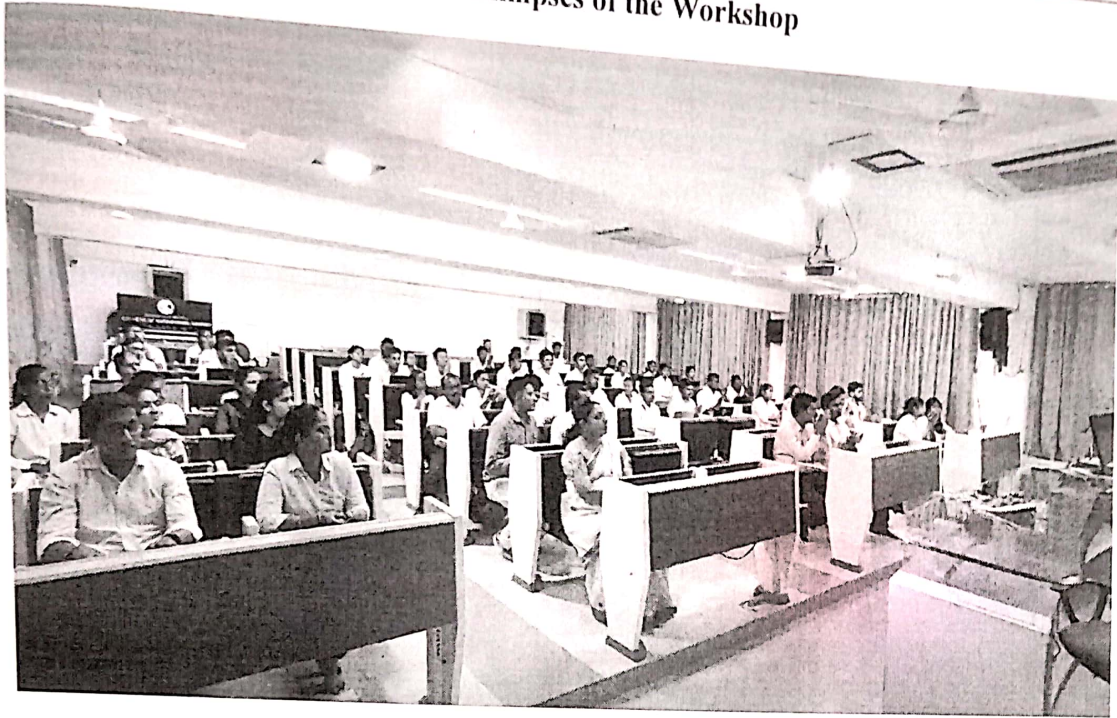
↓ Felicitation of Resource Person by Dr. A. M. Rajurkar (Head, Dept. of CSE)

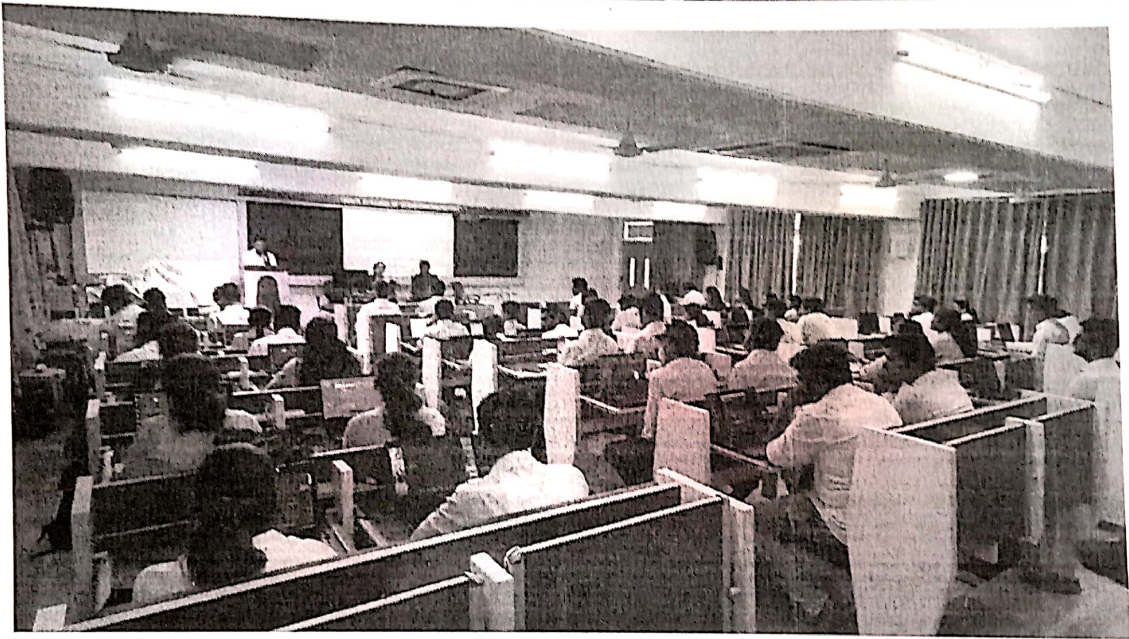
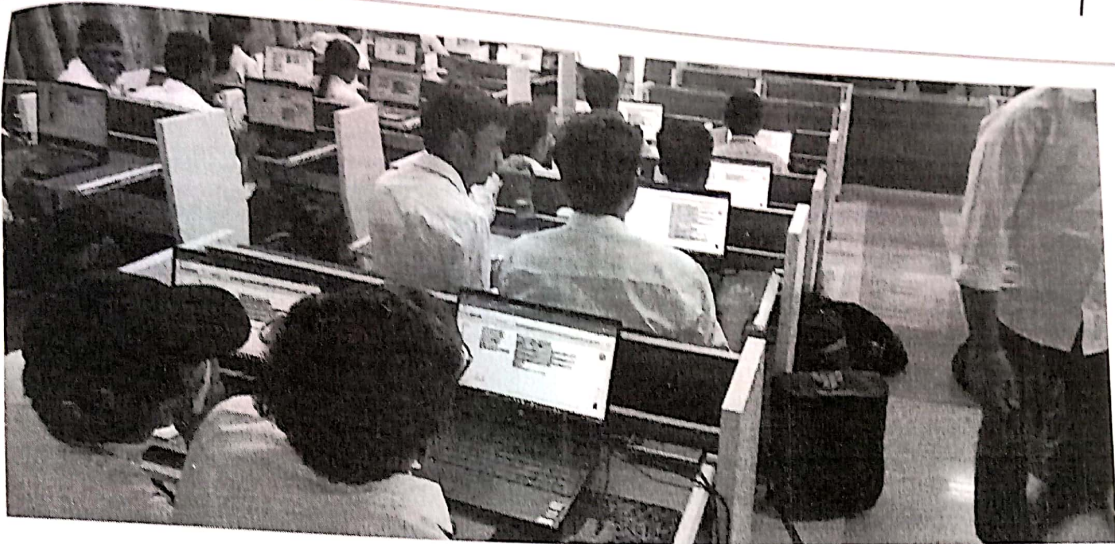


↓ Felicitation of Dr. A. M. Rajurkar (Head, Dept. of CSE) by Mr. R. G. Bisen (CSI Coordinator)



## ✦ Glimpses of the Workshop





Mr. R. G. Bisen  
CSI-Coordinator

Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

Dr. G. S. Lathkar  
Director, MGM's COE, Nanded

## A Report on "Coding Competition"

Department of Computer Science & Engineering in association with Computer Society of India Students' Branch organized a Competitive Coding Competition on November 4, 2022. 58 students from various branches of our Institute such as CSE, IT and ENTC participated for this event.



The objective of this event was to evaluate the programming skills and problem solving techniques of students.

Out of the enthusiastic participants from TY and SY, two winners and two runners-up were selected. From TY CSE, Monson Reji Verghese won the first prize, and Mahesh Rathod was the runner-up. From SY CSE, Ambarish Udgirkar won the first prize, and Nilesh Shirgire was the runner-up.

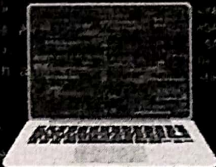
The entire event was organized by CSI Students Council under the guidance of respected Director, **Dr. Geeta S. Lathkar**, Student's Branch Counselor & Head of Computer Science and Engineering Department, **Dr. Archana Rajurkar** and CSI Co-ordinator, **Mr. Rahulsingh G. Bisen**. With the efforts of CSI council members under the guidance of CSI co-ordinator, the event was a great success.

### ✚ Some Glimpses of the Competition






**MGM's COLLEGE OF ENGINEERING, NANDED**  
 Department of Computer Science and  
 Engineering  
 competitive coding club  
 In Association with Computer Society of India




**COMPETITIVE CODING  
 COMPETITION-I**


		
<b>WHEN</b>	<b>WHO</b>	<b>WHERE</b>
NOV 4, 12:30 PM	SY & TY STUDENTS	CSE DEPARTMENT LABS 7 TO 10

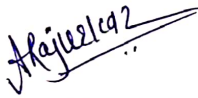
<b>MR. R. G. BISEN</b>	<b>DR. A. M. RAJURKAR</b>	<b>DR. G. S. LATHKAR</b>
(CSI & CCC CO-Ordinator)	(Student's Branch Counsellor & Head Dept of CSE)	(Director MGM's coe ,Nanded) Register Here


**EXCITING PRIZES FOR WINNERS**

FOR MORE INFORMATION 9370846204,7559420429



  
 Mr. R. G. Bisen  
 CSI Coordinator

  
 Dr. A. M. Rajurkar  
 Student's Branch Counsellor &  
 Head, Dept. of CSE

  
 Dr. G. S. Lathkar  
 Director, MGM's COE,  
 Nanded

## A Report on 2-Days Workshop on “IoT using Arduino”

Department of Computer Science & Engineering and Computer Society of India Student's Branch organized the 2-days workshop on “IoT using Arduino” on 28<sup>th</sup> and 29<sup>th</sup> of April 2022.



**Welcome of Resource Person Dr. M. R. Sanghavi by Mr. R. G. Bisen**

The workshop was started with the warm welcome of resource persons - Dr. Mahesh R. Sanghavi (Vice-Principal, SNJB College of Engineering, Nashik), Mrs. Kainjan M. Sanghavi Head, Department of CSE, SNJB College of Engineering, Nashik), Mr. Rajiv R. Bhandari (Associate Professor, Dept. of CSE, SNJB College of Engineering, Nashik) and Dr. Khyati R. Nirmal (Associate Professor, Dept. of CSE, SNJB College of Engineering, Nashik) by Mr. Rahulsingh G. Bisen, CSI Co-ordinator & Asst. Prof, Dept. of CSE. CSI Council members of B.Tech CSE, Pratik Sanjaykumar Sonwane (President), Pratiksha Nandkumar Suryawanshi (Secretary), Soham Sujit Kanchalwar (Treasurer), Nilesh Prakash Walve (Technical Head) and Rutuja Kacharudas Damkondwar (CSI Magazine Head 1) were the volunteers and the organizers of the event.

A total of 50 students from TYCSE and SYCSE participated in the workshop. Participants were divided into two batches, and the batches were further divided into groups of five

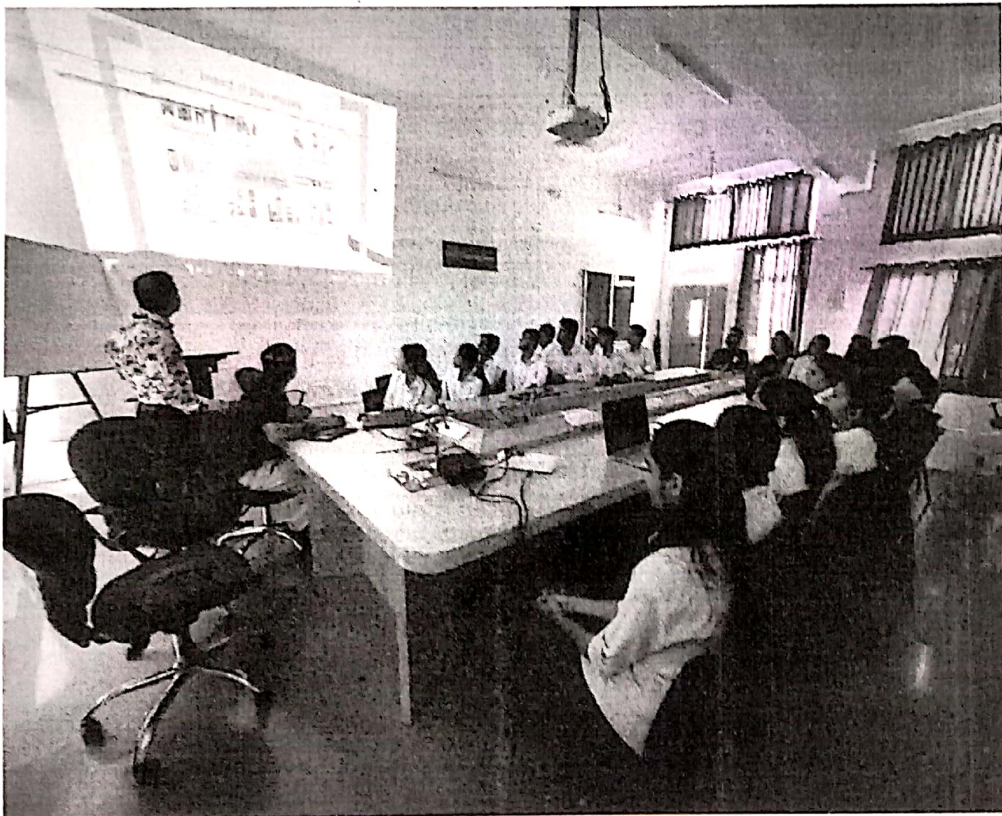
students in each. The purpose of this workshop was to provide students with a hands-on experience of the new technology "Internet of Things".

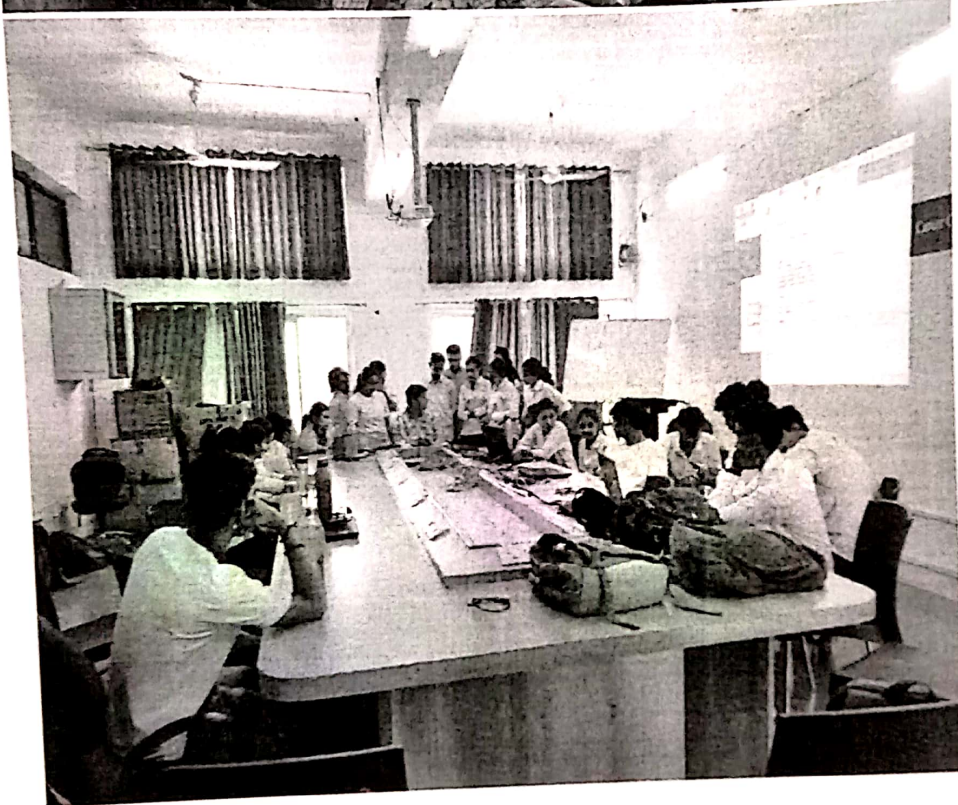
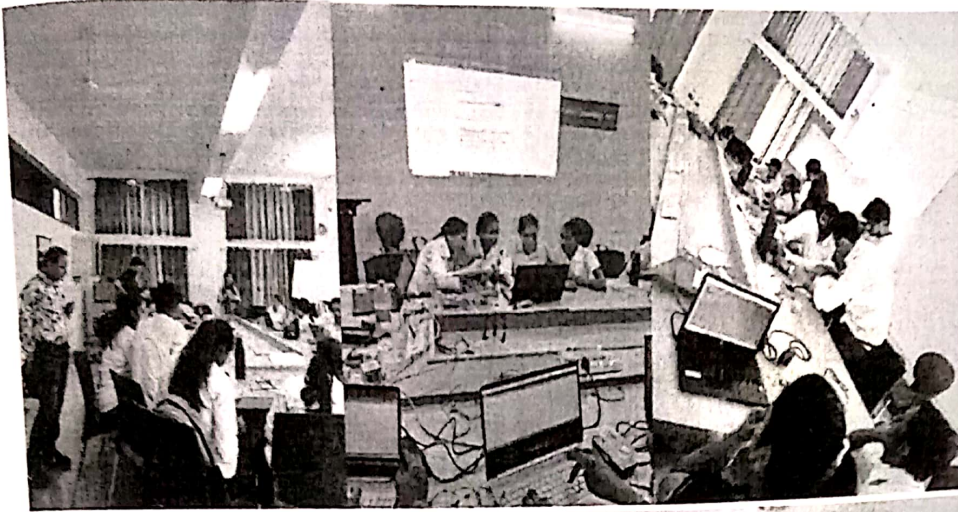
The first day began with the introduction of IoT. This session covered the history, strengths, weaknesses, and applications of IoT. Then the basics of the Arduino were covered, after which the session continued with hands-on training using various sensors. Participants learned how to integrate various sensors using Embedded C with an Arduino kit and also implemented the first project.

The second day began with an introduction to cloud computing, where the participants were introduced to a variety of cloud service applications and Raspberry Pi. Participants learned the basics of WLAN modules and the connectivity of data and the cloud. During both the sessions, participating students also implemented several IoT projects.

The event was organized by the CSI Students Council under the guidance of respected Director, **Dr. Geeta S. Lathkar**, Student's Branch Counsellor & Head of the Computer Science and Engineering Department, **Dr. Archana M. Rajurkar** and CSI Co-ordinator, **Mr. Rahulsingh G. Bisen**. The event received a good response and active participation from many students.

#### ↓ Some Glimpses of Workshop





Mr. R. G. Bisen  
CSI Coordinator

Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

Dr. G. S. Lathkar  
Director, MGM's COE,  
Nanded

**5 Days Faculty Development Program**  
**on**  
**“Data Science using R”**  
**Sponsored by TEQIP-III, DBATU, Lonere**

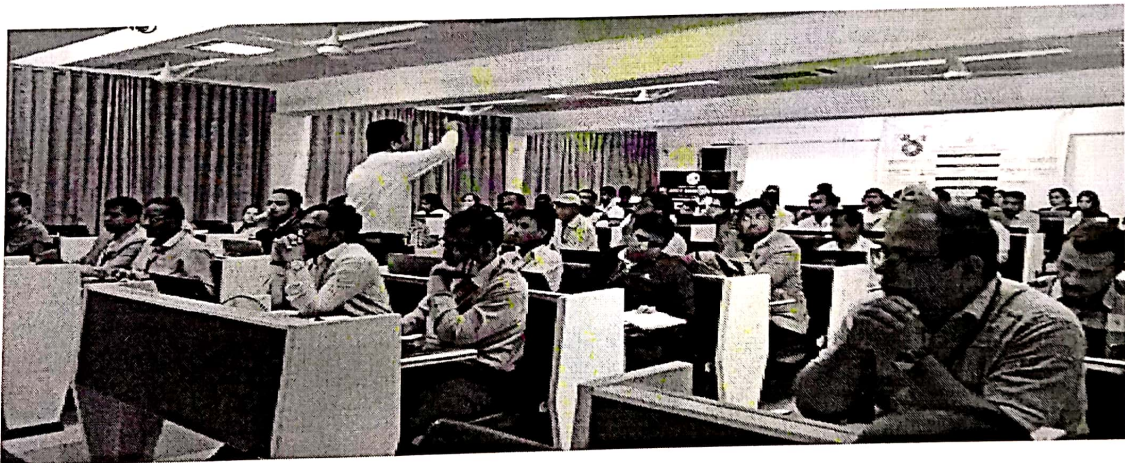
Department of Computer Science & Engineering has organized one week Faculty Development Program (FDP) on “Data Science using R-Programming” from 7<sup>th</sup> January to 11<sup>th</sup> January 2019. The inauguration ceremony of this FDP was blessed with guests like Dr. Y. V. Joshi (Director SGGS IE&T and Executive Council Member DBATU, Lonere), Dr. S. K. Chidrawar (Director MPGI School of Engineering and Executive Council Member DBATU, Lonere) and the resource person for this FDP Mr. Tushar Kute (miTu Skillologies, Pune).

Dr. Y. V. Joshi in his speech addressed all the audience by his precious words. He started with the evolution of computer hardware and software. He continued to revise the change in technology and its importance. Later he discussed the needs of latest programming languages such as Python, R-programming etc. Our second guest of honor Dr. S. K. Chidrawar spoke about the importance of FDP conduction. And the later session was continued by Mr. Tushar Kute who started the FDP with the basics of R-language.

The day 02 of FDP started with the introduction of data frames. The session included creation of data frames, accessing those, expanding that is adding columns and rows to data frames etc. After this the connectivity of R-programming with Databases was covered in which participants used My-SQL as a database to connect with front-end. Later session was continued with data analysis in which drawing graphs and charts for the existing data was taught.



### GLIMPS OF INAUGURATION CEREMONY OF FDP



### AUDIENCE PATIENTLY ATTENDING THE SESSIONS

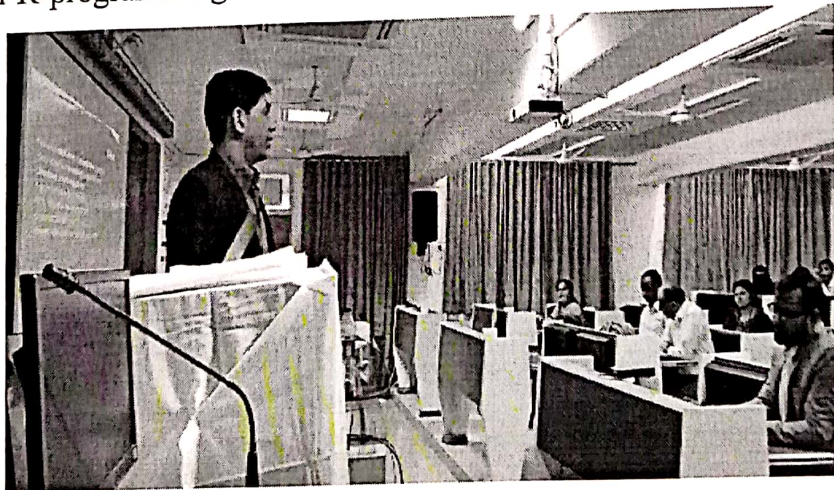
On this day we had Dr. S. S. Sane Professor, K. K. Wagh College of Engineering, Nashik. He discussed with us different types of Classification techniques and explained the concepts of single-label and multi-label learning. The different approaches of Multi-label learning were discussed in detail along with live examples by Dr. Sane. The further sessions were continued by Mr. Kute in which

he covered the topics like Basic Data Analytics, Data Pre-processing and exploratory data analysis.

Day-04 started with the advanced topics like Statistical- Regression, Time series analysis, KNN- learning and Association Rule Mining. For each and every advanced topic the suitable examples and applications were taken.

Mr. Mukesh Jain took a Use Case study on FOREX Predictions in R. His next session included a discussion on Data Driven Product Innovation and End to End Cycle of Analytics. Later in the session Mr. Mukesh Jain headed the discussion on Practical aspects of using Analytics in Product Innovation with Real Case-Studies from Industry.

The valedictory ceremony for the 5 days FDP on “Data Science using R” had eminent guests like Dr. V. G. Gaikar (Vice Chancellor, DBATU, Lonere), Mr. Mukesh Jain (V. P., Head Insights & Data Technology at Capgemini). Mr. Mukesh Jain continued the session, in which he took some company application and case studies for R-programming.



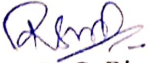
**A SESSION BY Mr. MUKESH JAIN**

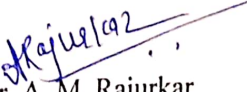
Dr. V. G. Gaikar started his address with the gap between the corporate system and the academics that are taught in the institutes these days. He explained the


gathering that the FDP programs are conducted so that faculty colleagues should go in the industry to train the industrial employee. His motivational words impressed all the audience and encourage the faculty members to be a resource person some day.

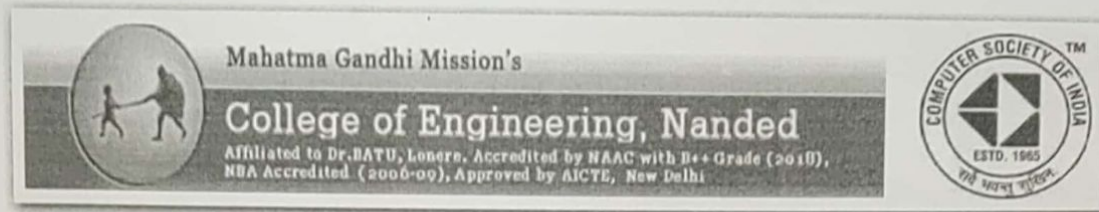


GLIMPS OF VALEDICTORY CEREMONY

  
Mr. R. G. Bisen  
FDP Coordinator

  
Dr. A. M. Rajurkar  
FDP Coordinator & Head,  
Dept. of CSE

  
Dr. G. S. Lathkar  
Director, MGM's COE,  
Nanded



## 2-Days Workshop on “Network Programming using Python”

Department of Computer Science & Engineering and Computer Society of India Student's Branch had organized the 2-days workshop on “Network Programming using Python” on 23<sup>rd</sup> and 24<sup>th</sup> May 2022.

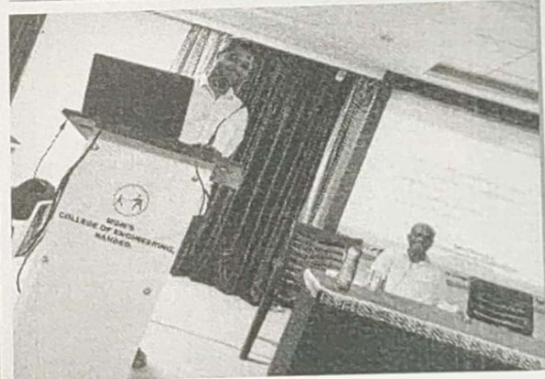
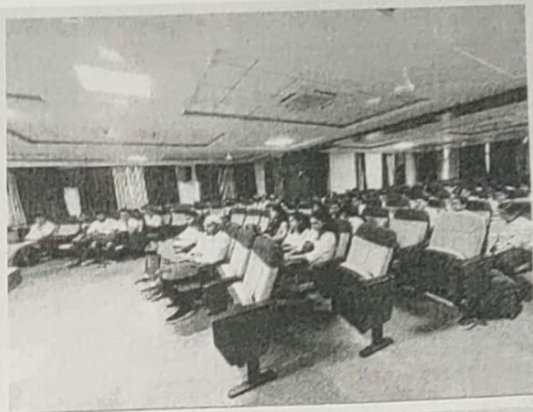
The workshop began with a warm welcome of resource person Mr. Malhar Lathkar (Author, Programming Technologies Trainer, Freelance E-Learning Content Developer, IT and Software Consultant) by Dr. Archana Rajurkar, Student's Branch Counsellor & Head of the Computer Science and Engineering Department. Dr. M. Y. Joshi, Assistant Professor, Dept. of CSE was the organizer of this workshop. CSI Council members of B. Tech CSE, Pratik Sanjaykumar Sonwane (President), Pratiksha Nandkumar Suryawanshi (Secretary), Soham Sujit Kanchalwar (Treasurer), Nilesh Prakash Walve (Technical Head) and Rutuja Kacharudas Damkondwar (CSI Magazine Head 1) were the volunteers.

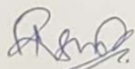
After the inauguration, Dr. Archana Rajurkar and Dr. M. Y. Joshi gave a speech on the importance, need, and future benefits of Network Programming & Python language. All students from TYCSE and TY E&TC participated in the workshop. The purpose of this workshop was to provide students with hands-on experience in "Network Programming using Python".

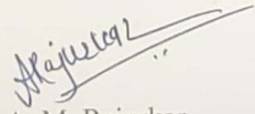
The first day commenced with the installation and setup of python. Then fundamentals of python programming along with Network Programming concepts like socket fundamentals, multithreading etc. was covered. The second day began with hands-on implementation of network programming concepts using the Python programming language like HTTP Protocol methods, request module etc.. All students learned new things and gave good feedback about the session and our resource person.

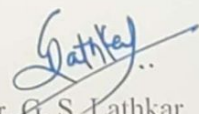
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↓ Glimpses of the Workshop



  
Mr. R. G. Bisen  
CSI Coordinator

  
Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

  
Dr. G. S. Lathkar  
Director, MGM's COE,  
Nanded

## Two-day workshop on "Introduction to Robotics" through the e-Yantra Lab Setup Initiative (eLSI) on

2<sup>nd</sup> & 3<sup>rd</sup> August 2019

Department of Computer science & Engineering had organized a 2-day workshop on "Introduction to Robotics" through the e-Yantra Lab Setup Initiative (eLSI) on 2<sup>nd</sup> & 3<sup>rd</sup> August 2019 in association with IIT Bombay. The department had also invited a Principals' meet to know more about this initiative. e-Yantra is a project supported by MHRD through the National Mission on Education through ICT (NMEICT) to spread Embedded systems and Robotics education in colleges across India.



**Shri KamalKishor Kadam felicitating Dr. Kavy Arya**

For the inaugural function we were blessed with Dr. Kavy Arya, Principal Investigator, e-Yantra Project, IIT Bombay alongwith Mr. Vivek L. Sabanwar and Mr. Avijit Pandey as a resource person.

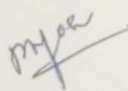
Around 40 teachers from different engineering colleges have participated in this workshop.

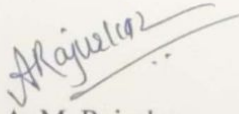


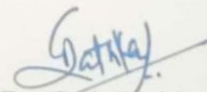
Group Photo of participants with Dr. Kavy Arya , Shri KamalKishor Kadam, Dr. Geeta S. Lathkar, Dr. Shrish Kotgire, Dr. A. M Rajurkar.

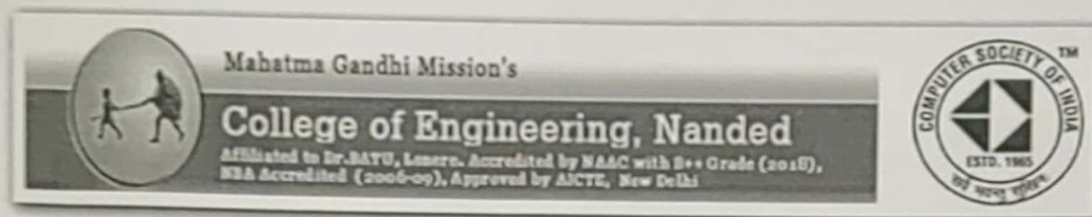


Participants Keenly Listening to the Speaker

  
Dr. M. Y. Joshi  
Workshop Coordinator

  
Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

  
Dr. G. S. Lathkar  
Director, MGM's COE,  
Nanded



## A Report on 3-Days Workshop on “Web Development Using Python (Django Framework)”

Department of Computer Science & Engineering in association with Computer Society of India Students' Branch organized a 3-days workshop on “Web Development Using Python (Django Framework)” from 22<sup>nd</sup> - 24<sup>th</sup> August, 2019. The programme was inaugurated by Honourable Chairman of M.G.M., Mr. Kamal Kishor Kadam, Director, Dr. Mrs. G. S. Lathkar and Head of CSE Department, Dr. A. M. Rajurkar. The resource person for the workshop was Mr. Aniket Thorave (Corporate Trainer, Mitu Skillologies, Pune).

The objective of the workshop was to acquaint the knowledge of web development skills using the Django framework, one of the most popular web development tools in Python. A total of 94 students from Department of CSE participated in this workshop with enthusiasm.

The first day focused on an overview of web development and an introduction to the Django framework. Participants were guided through setting up the development environment, including installing Python and Django. The day concluded with a hands-on session on creating a simple Django project and understanding its structure.

On the second day, the focus was on building a basic web application. Participants learned about Django's Model-View-Template (MVT) architecture and how to create and manage models. The resource person demonstrated how to create views and templates to display data dynamically. The hands-on sessions included creating a basic blog application, where participants implemented CRUD (Create, Read, Update, Delete) operations.

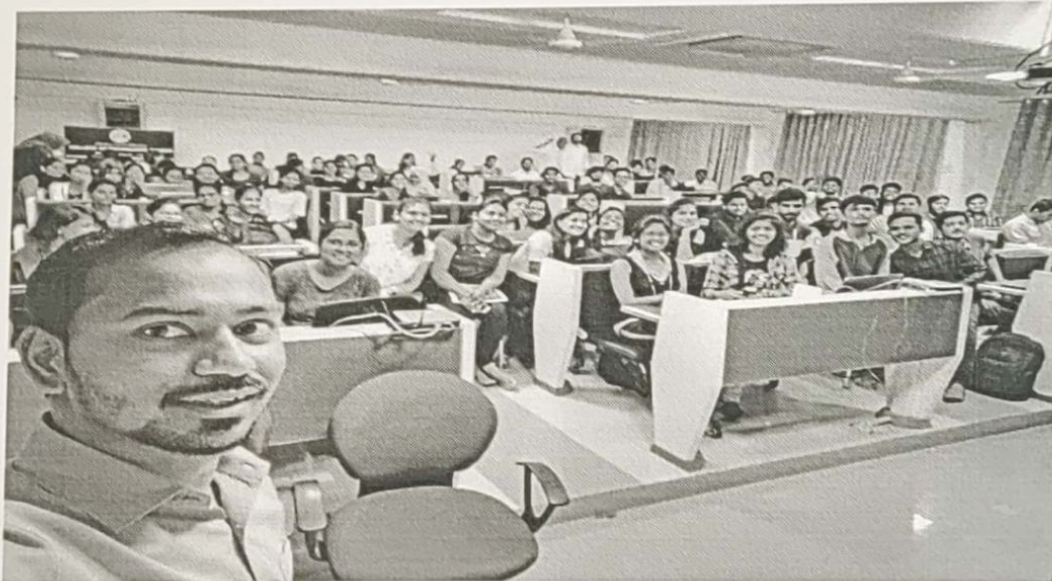
The final day covered advanced features of Django, such as user authentication, form handling, and integrating third-party libraries. Participants learned how to implement user registration and login functionalities. The workshop also included a session on deploying Django applications to a web server.

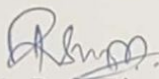
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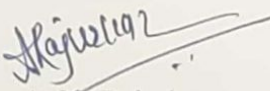
✦ Glimpse of Inauguration of the workshop




✦ Resource Person Mr. Aniket Thorave with participants



  
Mr. R. G. Bisen  
CSI Coordinator

  
Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

  
Dr. G. S. Lathkar  
Director, MGM's COE,  
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# National and International Webinar Report

**MAHATMA GANDHI MISSION'S COLLEGE OF ENGINEERING, NANDED**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**TechTalk@MGCEN**  
A Live International Technical Webinar

**Alumni Perspective: Dream Big**  
11th June 2020 | 7:30 AM IST

**Speaker Profile: Kirthiga Reddy**

- Investment Partner, BullBank Investments Advisors
- AI/ML/Blockchain, She focuses on frontier technologies - Artificial Intelligence, Health Tech, Semiconductors, Internet of Things, Quantum Computing.
- Worked as Managing Director, Facebook India and South Asia
- Co-founder of FT and Lund
- She served as Chair, Nanded Students In-house Management Board
- Board member of Galat and Beyond NYC
- Recognized as Fortune India's 'Most Powerful Women' and First Company's 'Next Creative People to Watch'

Register Now: [bit.ly/MGMWebinars2020](http://bit.ly/MGMWebinars2020)

**MAHATMA GANDHI MISSION'S COLLEGE OF ENGINEERING, NANDED**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**TechTalk@MGCEN**  
A Live National Technical Webinar

**Top Innovations using Data Science**  
11th June 2020 | 11 AM to 1 PM

**Speaker Profile: Mukesh Jain**

- Chief Technology and Innovation Officer, VP and Head of Insights & Data Technology at Capgemini
- Worked as Vice President and Head of Advertising and Analytics at Jio, CTO for VFS Global and as Head of MICE System India.
- Worked for Microsoft for 13yrs in USA, he built products like Outlook, Bing Advertising and Analytics.
- One of the bright alumni of MGCEN Family
- Recipient of Microsoft's most prestigious 'Gold Star' award 3 years in a row, Asia-Pacific Leadership Award, Quality of Service Award, GAI Agile Project Management Leadership Award.
- Times of India Account Asia Pacific 'Top 25 Most Innovative HR Tech Leader in India', 'Technology Leadership' Award by Economic Times and 'Best Speaker' award from Tesco for 'AI in Retail'

Register Now: [bit.ly/MGMWebinars2020](http://bit.ly/MGMWebinars2020)

**MAHATMA GANDHI MISSION'S COLLEGE OF ENGINEERING, NANDED**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**TechTalk@MGCEN**  
A Live International Technical Webinar

**Solving Large-scale Relationships-rich Data Problems Using Graph Database Systems**  
Saturday, 13 June 2020, 5:00 PM IST

**Interpretable Machine Learning with Probabilistic Graphical Models**  
Sunday, 14 June 2020, 5:00 PM IST

**Speaker Profile: Dr. Venkat N. Gudivada**

- Dr. Venkat N. Gudivada is a professor and chair of the Computer Science Department at East Carolina University.
- He was vice president for Wall Street companies in the New York City area including several years (New York of America Merrill Lynch) and Financial Technologies International (New York/Chicago).
- He has published over 110 peer-reviewed technical articles and rendered professional service in various roles including conference program chair, keynote speaker, program committee member, and guest editor of IEEE journals.
- Dr. Gudivada's research sponsors include National Science Foundation, National Aeronautics and Space Administration, U.S. Department of Energy, U.S. Department of Navy, U.S. Army Research Office.

Register Now: [bit.ly/MGMWebinars2020](http://bit.ly/MGMWebinars2020)

During the dire situation of corona pandemic everything came to halt but only thing which continued was learning especially for the students who dream to achieve something extraordinary. Taking this as an opportunity our MGM's College Of Engineering, Nanded organized successful Tech Talk Series which included 2 national and 3 International webinars delivered by distinguished speakers.

The Computer Science And Engineering Department of MGM COE Nanded organized this Tech Talk series in the month of June 2020. The first national webinar was held on 10<sup>th</sup> June 2020 regarding 'Introduction to cloud computing and AWS' by our alumina Miss Sonal Sarada who is working as freelance corporate trainer and consultant. The second national technical webinar was scheduled on 11<sup>th</sup> June 2020 by our bright alumina Mr. Mukesh Jain who is currently working as VP and Head of Insights & Data Technology at Capgemini. The subject for this webinar was 'Top Innovations Using Data Science'.

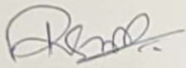
In this Tech Talk series two international webinars were conducted by one of the distinguished speaker Dr. Venkat N. Gudivada who is working as a professor and chair of Computer Science Department at East Carolina University. His first international webinar was scheduled on 13<sup>th</sup> June 2020 based on 'Solving Large-Scale Relationships-rich Data Problems Using Graph Database Systems'. And second international webinar was taken on 27<sup>th</sup> June 2020 regarding 'Interpretable Machine

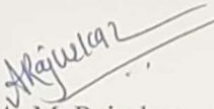
Learning With Probabilistic Graphical Models'. The final international webinar was conducted by one of the brightest alumina of our college Miss Kirthiga Reddy currently she is working as Investment Partner at SoftBank Investment Advisers. The subject for this webinar was 'Dream Big : Alumini Perspective'. This marvellous talk series was proved as a golden opportunity for 1500 students and professionals working in these fields. This online activities helped students to get knowledge about their interested fields by industries professionals at their finger tip. This was one of the best step taken by our institute MGM's College of Engineering, Nanded regarding the betterment of students.

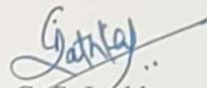


The screenshot shows the YouTube Studio 'Channel videos' page. The left sidebar contains navigation options: Dashboard, Videos, Playlists, Analytics, Comments, Subtitles, Monetization, Audio library, Settings, and Send feedback. The main content area shows a table of videos. One video is highlighted with a red circle around its view count.

Video	Visibility	Restrictions	Size	Views	Live events	Comments	Like (in studio)
<input type="checkbox"/> Introduction to Cloud Computing & AWS No description	Public	None	Aut 10, 2020 Finished	1,125	0	0	22.5%

  
 Mr. R. G. Bisen  
 Webinar Coordinator

  
 Dr. A. M. Rajurkar  
 Head, Dept. of CSE

  
 Dr. G. S. Lathkar  
 Director, MGM's COE,  
 Nanded

## ICCET-2020

### 5<sup>th</sup> International Conference on

### Computing in Engineering & Technology

January 9-11, 2020

The 5<sup>th</sup> International Conference on Computing in Engineering & Technology ICCET was a premier conference jointly organized by Department of Electronics & Telecommunication Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere and Department of Computer Science and Engineering, MGM's College of Engineering, Nanded from 9<sup>th</sup> January to 11<sup>th</sup> January 2020.

International Conference on Computing in Engineering and Technology (ICCET 2020) aimed at bringing together the academicians, scientists, engineers and research students in areas of engineering and technology, and it provided an international forum for the dissemination of original research, new ideas and practical developments experience. The conference had the focus on the frontier topics in the field of Engineering and emerging/next-generation technologies such as:

- ✦ Applied Digital Image Processing
- ✦ Emerging Communication Technologies
- ✦ IoT/Big Data Processing.

The patrons for the conference were Dr. V. Rama Sastry (Vice Chancellor, DBATU Lonere) and Shri Kamal Kishore Kadam (Honourable Chairman, M.G.M's C.O.E., Nanded). Dr. Sanjay Nalbalwar (Professor & Head, Department of Electronics & Telecom. Engineering, DBATU Lonere) and Dr. Mrs. Geeta Lathkar (Director, MGM's College of Engineering, Nanded) were the General Chair of the conference. The program chairs for the conference were Dr. Brijesh R. Iyer (Assistant Professor, Dept. of E & TC Engineering, DBATU, Lonere) and Dr. Archana Rajurkar (Professor & Head, Department of CSE, MGM's College of Engineering, Nanded).

The Conference was inaugurated by Prof. D. B. Phatak (Professor Emeritus, IIT Bombay) followed by his keynote address.

The preconference talks and keynote addresses were delivered by Prof. V. N. Gudivada (East Carolina University, USA), Dr. Subramaniyam Murala (IIT Ropar), Dr. K. C. Santosh (University of South Dakota, USA).

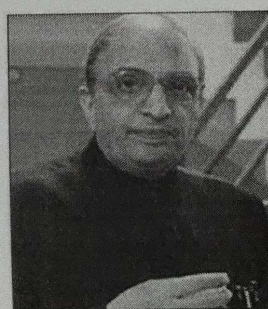
Dr. Ajith Abraham (MRI Labs, Washington, USA), Dr. R.C. Joshi (Chancellor, Graphic Era University, Dehradun), Dr. Sumantra Datta Roy (Professor, Department of Electrical Engineering, IIT Delhi) and Mr. Arjun Das (CEO, Nymo Technologies) also graced the occasion.



**On Day 1 (9<sup>th</sup> Jan 2020)** the programme commenced with inauguration of preconference tutorial and warm welcome of the distinguished speakers. The first tutorial was presented by **Dr. Venkat N. Gudivada** (Systems Professor and Chair, Department of Computer Science, East Carolina University, USA) who gave an interesting overview of NoSQL to meet the needs of Big Data applications and a broad range of database systems. Then **Dr. Subrahmanyam Murala** (Associate Professor, Department of Electrical Engineering, IIT Ropar, Punjab) delivered his preconference talk on Auto-encoders and Generative Adversarial Network (GAN) for image dehazing and moving object detection.



In the last session of day 1, **Dr. K. C. Santosh** (Assistant Professor & Graduate Program Director, University of South Dakota, USA) presented a valuable talk on “Are you Looking for Deep Features: Face Recognition, Re-identification, and Verification”. In this talk, he explored face recognition techniques, a story starting from handcrafted features to deep features with comprehensive results.



**On Day 2 (10<sup>th</sup> Jan 2020)** the conference was inaugurated by **Dr. D. B. Phatak** (Professor Emeritus, Department of CSE, IIT Bombay) in presence of Mr. Kamal Kishore Kadam, Dr. R. C. Joshi, Dr. S. L. Nalbalwar, Dr. Mrs. G. S. Lathkar, Dr. A. M. Rajurkar and Dr. B. R. Iyer. Post inauguration the conference souvenir was released in presence of all dignitaries.

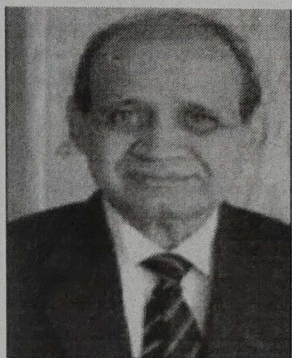
**Dr. D. B. Phatak** (Professor Emeritus, IIT Bombay) delivered the first keynote address on “Quality at Scale in Education, using IT for Expanding Outreach”. He talked about the importance of data from real life, its interpretation in the context of our educational system, and a way to make the system better using IT. The second keynote address was delivered by **Dr. Venkat N. Gudivada**. He focused his presentation on ‘Personalization of Learning’. In this talk, he explored various notions of

personalized learning and the current approaches to implementing personalization. He also demonstrated the use of ISPeL, which is one of the platforms for personalization of learning.

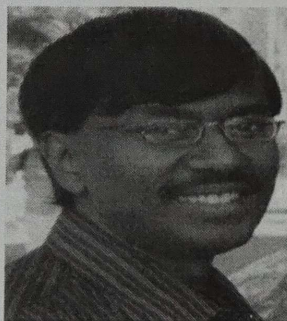


The last keynote address for the day was presented by **Dr. Ajith Abraham** (Director, Machine Intelligence Research Labs, USA) on “Information Mining from Complex Data in the Industry 4.0 Era”. He presented the latest trends in the concept of Industry 4.0 and various research challenges from several application perspectives.

**On Day 3 (11<sup>th</sup> Jan 2020) Dr. K. C. Santosh’** presentation dealt with one of the hot topic “Smart healthcare: Close-to-Expert Intelligence, not just AI”, The talk was focused on a very specific problem i.e., lung abnormality screening using image data (chest X-ray) in non-hospital settings.



**Dr. R. C. Joshi** (Chancellor, Graphic Era University, Deharadun) intrigued the audience by presenting a keynote address on “A Hybrid Introspection Based Intrusion Detection Security Architecture in Cloud Environment”. Security of data is the emerging area in the field of Information Technology and Cyber Security. Now-a-days enterprises/organizations are using cloud services for hosting the web applications and data because of the ease and cost-effectiveness in using the cloud services. With this technical talk, **Dr. Joshi** presented an architecture that provides various security solutions to detect intrusions at different security-critical positions in cloud.



The next keynote address for the day was presented by **Dr. Sumantra Dutta Roy** (Professor, Department of Electrical Engineering, IIT Delhi). He gave his presentation on “Unsupervised Learning: k-Means, Gussian Mixtures and EM”. With his visual presentation, **Mr. Arjun Das** (Chief Executive Officer, Nymo Technologies, Bangaluru) presented an industry talk and showed several case studies of different applications of AI in Real Life.

**Panel discussion**, a live discussion about a specific topic amongst a selected group of panelists who share differing perspectives in front of a large audience, in any Conference adds value to the event. During these three day conference, two Panel Discussions were also organized on topics like Deploying AI solutions in Indian Environment: Opportunities and Challenges, Machine learning and Research & Documentation. **Dr. K. C. Santosh, Dr. Sumantra Dutta Roy, Dr. Ajith Abraham Dr. Venkat N. Gudivada, Dr. R. R. Manthalkar etc.** were the panel members. The panel session lasted for 60-90 minutes.

During these three eventful days of thought-provoking discussions and presentations, Cultural night was also organized for the delegates in which students performed classical dances like Bharatnatyam & Bhangra,

Powada, Qawalli etc. All the guests and researchers enjoyed the event which was followed by the banquet dinner.

### **Closing remarks**

A total of 369 technical papers on various topics supported by recent innovative trends in engineering technology were received for the conference out of which 76 papers were accepted for final presentation after thorough review process of Double-blind via Easy-Chair system. All accepted papers were published in Springer AISC Series (Scopus Indexed) with two separate theme-based volumes (Applied Image Processing & Computer Vision and Next Generation Information Processing Sysytem).

The conference concluded on day 3 with a grand valedictory function. The highlight of the event was “Best paper award” which was awarded to the paper titled “**UAV Communication in FANETs with Metaheuristic Techniques**” by Meghna Goswami, Rajeev Arya and Prateek.

### **Photos from the 5<sup>th</sup> edition of ICCET 2020**



*Dignitaries on the dais during the Inauguration Programme*



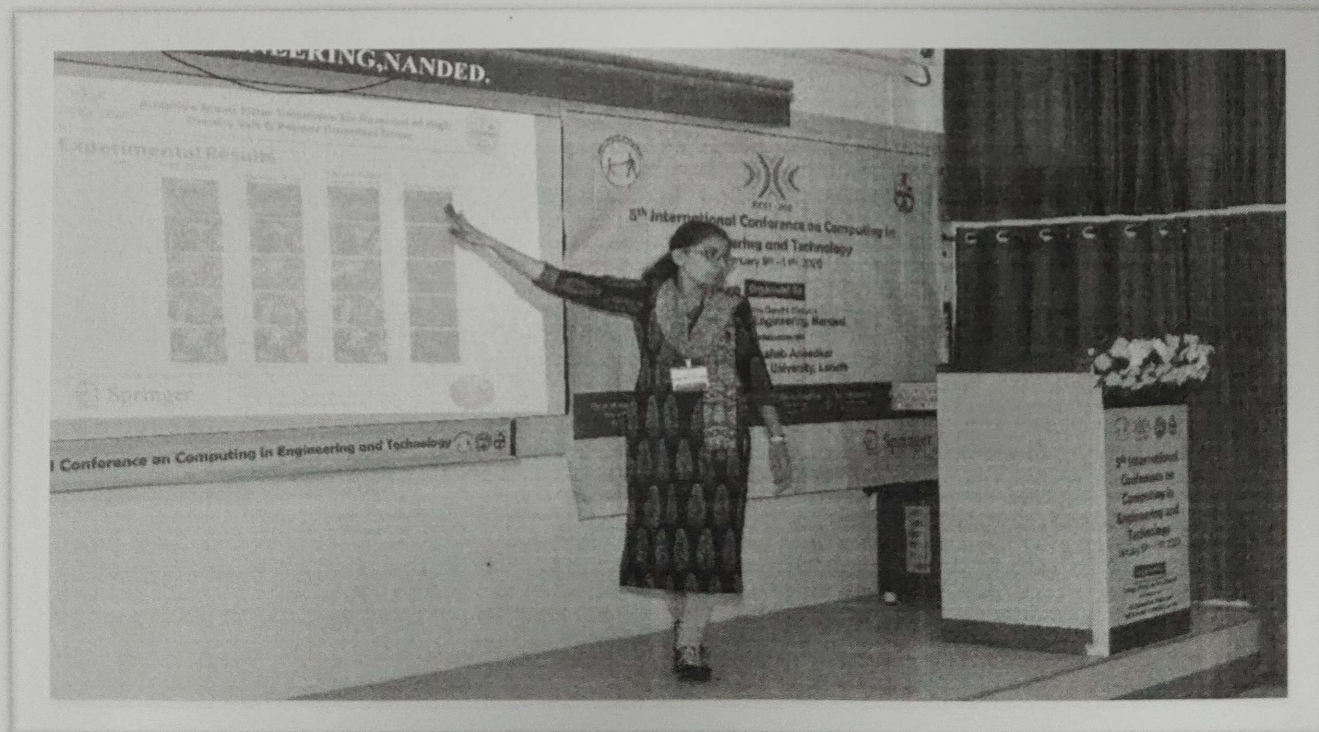
*Dr. Mrs. G. S. Lathkar (Director, MGM's COE, Nanded) and Dr. A. M. Rajurkar (Head, Dept. of CSE)*



*Mr. Kamal Kishore Kadam (Chairman, MGM's COE, Nanded) welcoming Dr. D. B. Phatak (Professor Emeritus, IIT Bombay)*



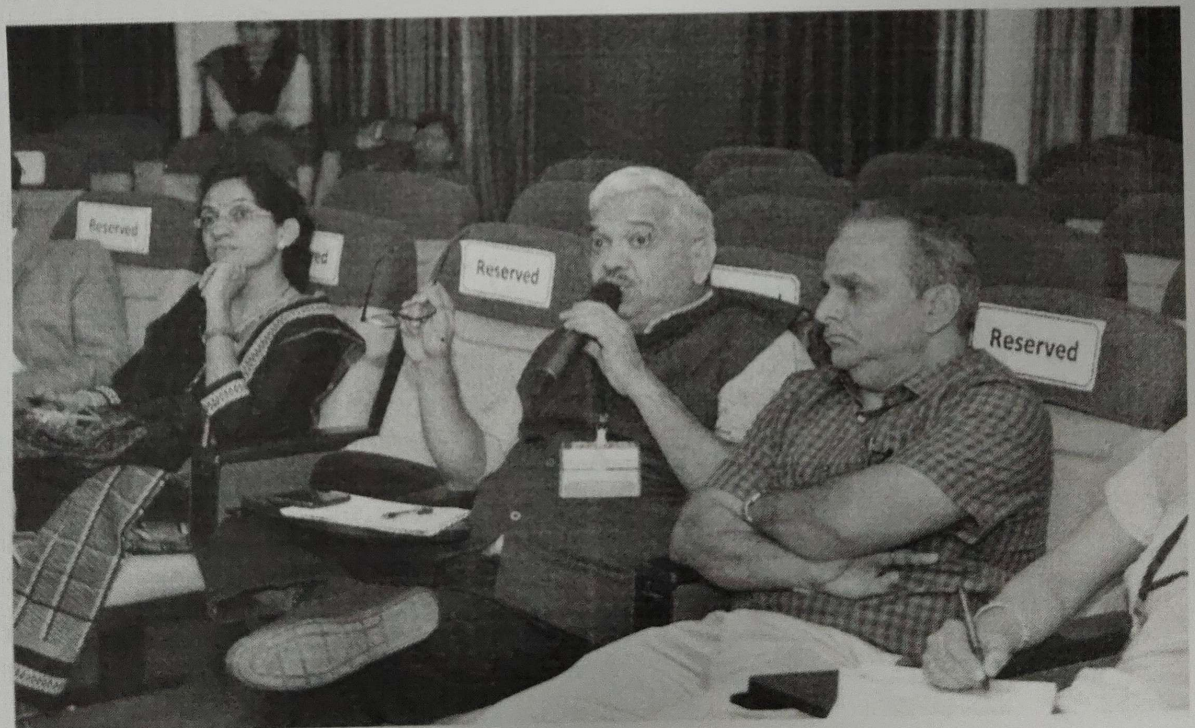
*Release of Conference Souvenir in the presence of all dignitaries*



*Paper Presentation by one of the researcher*



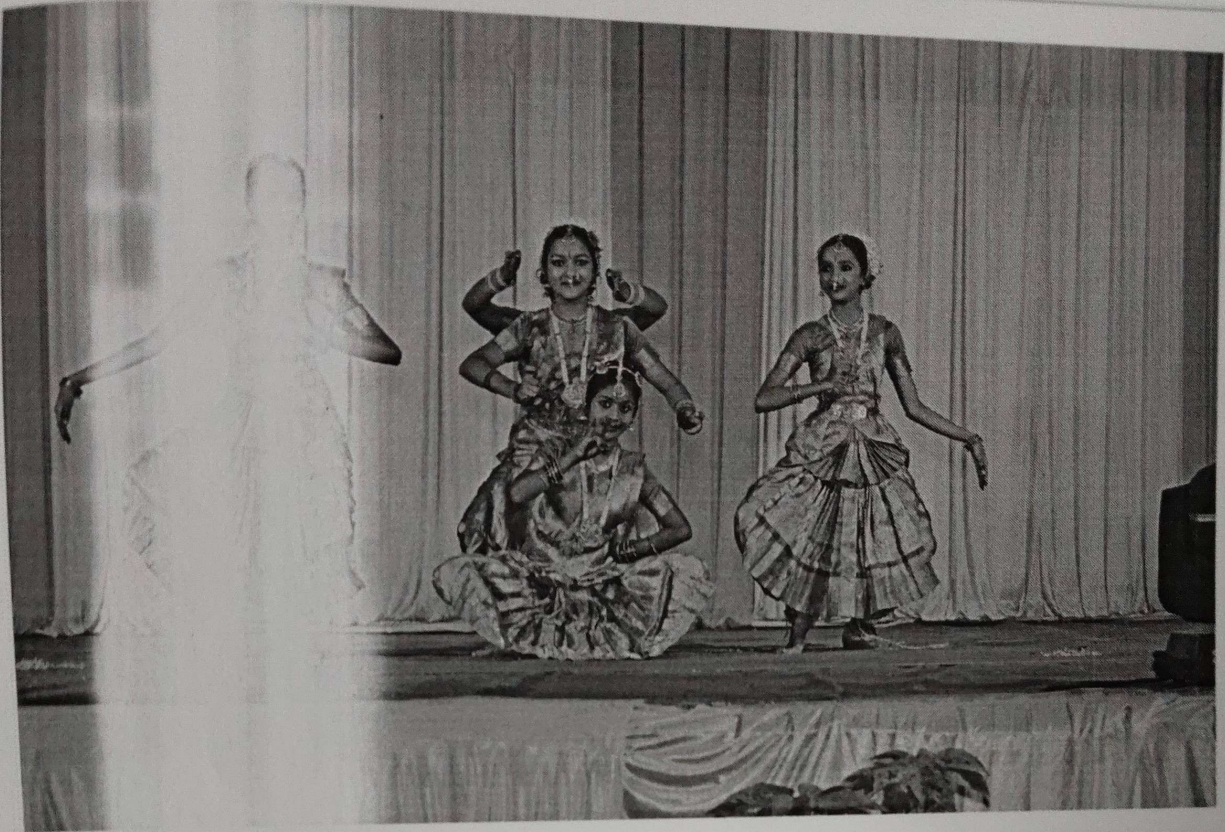
*Panel Discussion*



*Interaction with panellists during Panel Discussion Session*



*Faculty members and Student Coordinators with renowned Guests and Speakers*



*Some glimpses of cultural night*



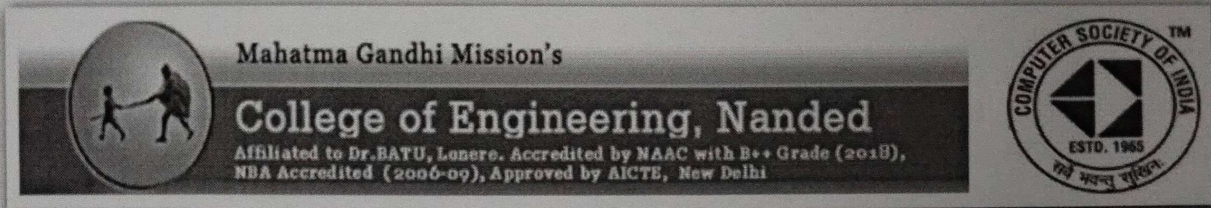
*Valedictory Program*

*A.M. Rajurkar*

**Dr. Mrs. A.M. Rajurkar**  
Professor & Head  
Department of CSE  
MGM's College of Engg. Nanded.

*G.S. Lathkar*

**Dr. Mrs. G.S. Lathkar**  
Director  
MGM'S College of Engineering  
Nanded.



## A Report on “4-days Hands-on Training on R-Programming”

A “4-days Hands-on Training on R-Programming” was organized by CSI Students Branch of Department of Computer Science & Engineering from 22<sup>nd</sup> June 2020 to 25<sup>th</sup> June 2020. The resource persons for the training were Mr. Ameet Shah and Mr. Nitin Chavan. They are working as Assistant Professor, Sipna College of Engineering and Technology, Amravati and had conducted many training sessions on R-programming. The main motto of this training was to enhance the skills of R Programming language among the students and total 126 students participated.

As the training took place through online mode. Each day the session would run for about 2 hours. At the beginning, trainers demonstrated the installation of R Studio and then they gave a brief idea about the Data Structures, Data types, CSV file reading and writing operations etc. The trainers made the session very interactive and made the students to run the programs on their laptop/PC. Students were supposed to appear for daily quiz after each session. Students who performed well during the entire training session and scored more than 40 % marks in each quiz were awarded with E-Certificates.

The event was organized under the guidance of respected Director, **Dr. Geeta S. Lathkar**, Student's Branch Counselor & Head of Computer Science and Engineering Department, **Dr. Archana Rajurkar** and CSI Co-ordinator, **Mr. Rahulsingh G. Bisen**. The event received great response and active participation of many students.



**M.G.M.'s College of Engineering, Nanded.**  
**Department of Computer Science & Engineering &**  
**CSI Student's Chapter**

*Presents*

## "4-days Hands-on Training on R-Programming."

*The only way to learn a new programming language is by writing programs in it.*

Workshop begins on :- 22/6/2020

Registration ends on :- 21/6/2020

**Resource Persons :**

**Mr. Ameet Shah & Mr. N. B. Chavan**

(Asst. Prof., Sipna College of Engineering and Technology, Amravati.)

**For Registration Visit :-**

[https://docs.google.com/forms/d/e/1FAIpQLScy-x29qjZTGXVJ\\_HRheH6ZpOJKzUkRWc4yBxe3rpex9\\_ch3w/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScy-x29qjZTGXVJ_HRheH6ZpOJKzUkRWc4yBxe3rpex9_ch3w/viewform?usp=sf_link)

*This workshop is totally **FREE** for CSI members and only  
**₹50** for Non-CSI Members.*

**Mr. R. G. Bisen    Dr. A. M. Rajurkar    Dr. Mrs. G. S. Lathkar**

(CSI Co-ordinator) (Student's Branch Counsellor  
& Head.Dept of. CSE)

(Director,  
M.G.M.'s C.O.E.,  
Nanded.)

For Queries Contact :-

Pratiksha Suryawanshi : 9404343098

Pratik Sonwane : 7387584229

Mr. R. G. Bisen

CSI Coordinator

Dr. A. M. Rajurkar

Student's Branch Counsellor &  
Head, Dept. of CSE

Dr. G. S. Lathkar

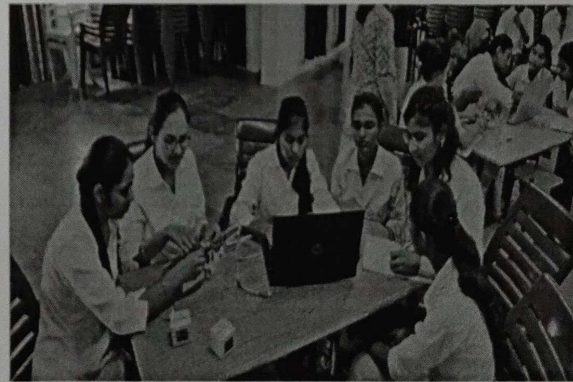
Director, MGM's COE,  
Nanded

A total of 57 students from second and third year CSE participated in the workshop. The objective of the workshop was to associate students with hands on experience on emerging technology “Internet of Things (IoT)”



#### **Session by Mr. Mahesh R. Sanghavi**

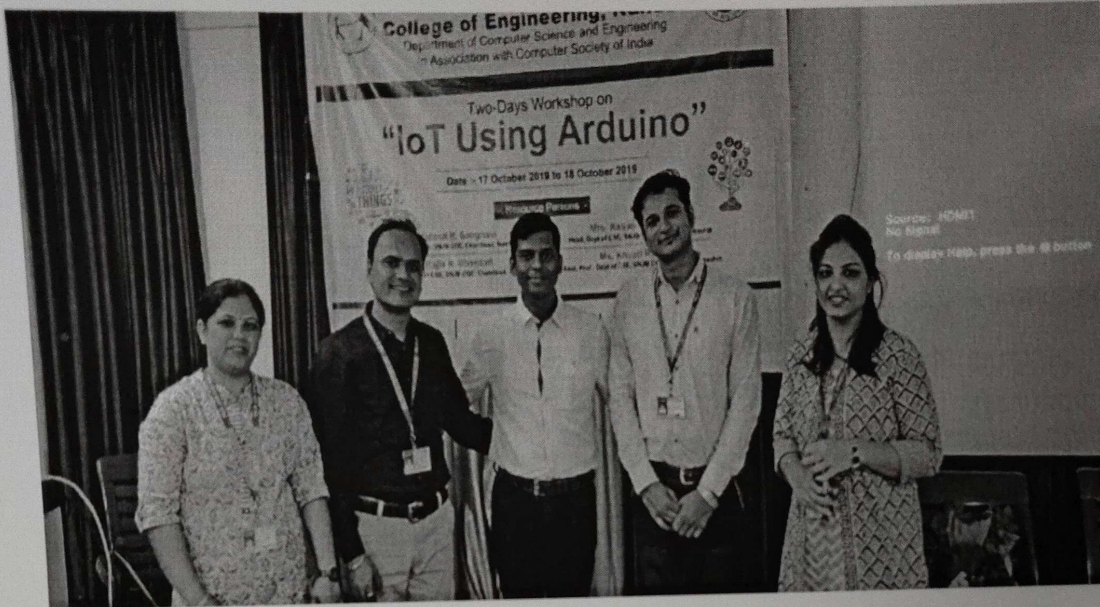
The day-01 started with the introduction, history, advantages, disadvantages and applications of IoT. Then, basics of Arduino kit were covered along with hands-on training using various sensors. Participants learnt the implementation of IoT concepts using embedded C on Arduino kit and also implemented their first project.



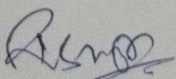
#### **Hands-on Training Session using Arduino Kit**

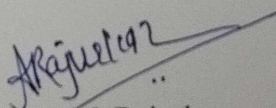
The day-02 started with the introduction of cloud computing, Raspberry Pi and participants were introduced to the various applications of cloud services. The participants learnt the basics of WiFi module and connectivity of data to the cloud. They also implemented some projects on IoT.

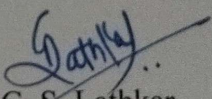
The event was organized by the CSI Students Council under the guidance of respected Director, **Dr. Geeta S. Lathkar**, Student's Branch Counsellor & Head of the Computer Science and Engineering Department, **Dr. Archana M. Rajurkar** and CSI Co-ordinator, **Mr. Rahulsingh G. Bisen**. The event received a good response and active participation from many students.



CSI Coordinator with Resource Persons

  
Mr. R. G. Bisen  
CSI Coordinator

  
Dr. A. M. Rajurkar  
Student's Branch Counsellor &  
Head, Dept. of CSE

  
Dr. G. S. Lathkar  
Director, MGM's COE,  
Nanded

**Two-Week Workshop on “Oracle Forms and Reports”  
by  
Mr. Sameer Dehadrai  
4<sup>th</sup> – 19<sup>th</sup> February 2019.**

Department of Computer Science & Engineering has organized a hands-on workshop on Oracle Forms and Reports from 4<sup>th</sup> to 19<sup>th</sup> February 2019. The resource person is Mr. Sameer Dehadria.

The main focus of this workshop is on IDS (Integrated Development Suite). In this workshop students are learning Oracle Forms, Oracle Reports and Graphics.



**Students attending the session**

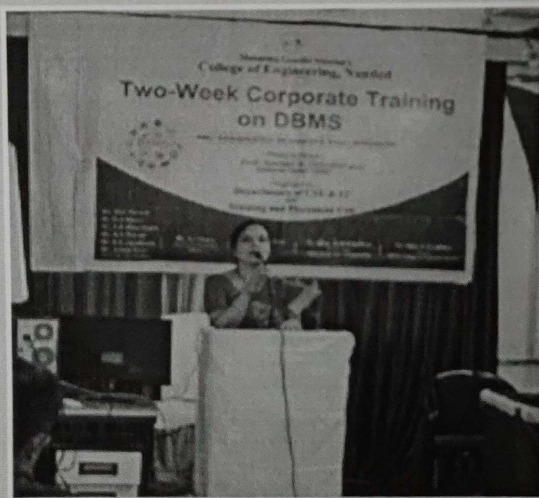
Oracle Forms is a software product for creating screens that interact with an Oracle database. It has an IDE including an object navigator, property sheet and code editor that uses PL/SQL. It was originally developed to run server-side in character mode terminal sessions.

Oracle Reports Builder is the report-building component of Oracle Reports, a powerful enterprise reporting tool that enables you to rapidly develop and deploy sophisticated Web and paper reports against any data source.

*A.M. Rajurka*  
**Dr. Mrs. A.M. Rajurka.**  
Professor & Head  
Department of CSE  
MGM's College of Engg. Nanded.

*G.S. Lathkar*  
**Dr. Mrs. G.S. Lathkar**  
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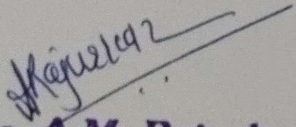
**Two-week workshop on DBMS**  
by  
**Mr. Sameer Dehadrai**  
**2<sup>nd</sup> August to 16<sup>th</sup> August 2018.**



In today's digital world the most important element in the industry is data. In every organization we find lot of information in different format and the challenge is to manage it. To manage this important piece of information we have to apply various techniques of Database management systems.

For the better understanding of the concepts and importance of databases a two-week workshop was organized in the campus on DBMS. MGM family was privileged to have Mr. Sameer Dehadrai as the resource person for the workshop.

In the journey of this two-week all the concepts of database right from the basics to higher level RDBMS, along with the hands on session were covered.



**Dr. Mrs. A.M. Rajurkar**

**Professor & Head  
Department of CSE**

**MGM's College of Engg. Nanded.**

