

2024



NAAC Accredited

Vidarbha Bahu-uddeshiya Shikshan Sanstha's

**TULSIRAMJI GAIKWAD-PATIL**  
College of Engineering & Technology

— An Autonomous Institute —

DTE  
CODE  
4151



# Department of Master in Computer Application

News Letter

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**GAIKWAD-PATIL**  
GROUP OF INSTITUTIONS





**Tulsiramji Gaikwad-Patil College of Engineering and Technology**

Wardha Road, Nagpur-441 108

**NAAC A+ Accredited**

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)



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*Department of Master in Computer Application*

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## **About the Department**

I feel ecstatic to introduce you to Department of Master in Computer Application, which is established in year 2008-2009 and foundation of technology. It is AICTE approved full time two years PG course affiliated by RTM Nagpur University. Department of Master in Computer Application strive for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students.

We always intend to impart knowledge through a closed knit family of highly competent faculty.

Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete knowledge of the subject (both the practical and theoretical depth of knowledge) and develop skill sets of students to become promising new to technology in future. I would like to conclude with the words of Thomas Friedman who has rightly opined "World is flat opportunities are immense. It's just a question of identifying opportunities and making the best of them". I wish a very best of luck to the students

# Vision & Mission

## Vision of Institute

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.

## Mission of Institute

**M1-** To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.

**M2-** To provide facilities and services to meet the challenges of Industry and Society

**M3-** To facilitate socially responsive research, innovation and entrepreneurship

**M4-** To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

## Department Vision & Mission

### Vision:

To be the source of bringing out globally competent pioneering computing professionals, researchers, innovators and entrepreneurs and thereby succeed and contribute value to the knowledge-based economy and society.

### Mission:

- To enhance the placement ratio of the department.
- To get more industry interaction and partnership with skill India mission.
- To enhance the teaching learning facilities with digital India mission.
- To promote technical culture in the department.
- To launch an international journal at departmental level.
- To increase the frequency of national/international level workshops and conferences.
- To promote visit of prominent personalities in the department at a more regular basis.

## From Management Desk



**DR. MOHAN GAIKWAD-PATIL**  
Chairman, Gaikwad-Patil Group

*With more than twenty years of experience in education system to his credit, established the Gaikwad- Patil Group of Institutions in Nagpur to cater to the quality education needs of the youth in Vidarbha. His early experience of teaching in an engineering college made him acutely aware of the dissonance between engineering education in the country and the requirements of the industry. He therefore began with a dream of starting an engineering college that equips students with knowledge, skills and attitudes relevant to the industry. That dream has manifested today in the form of two engineering colleges, well known in the region for their constant striving to impart quality and industry-relevant education to their students. Hardly in his early forties, Dr. Gaikwad is the young and dynamic face of the Group. His contagious enthusiasm and unflagging drive is truly inspiring.*



**DR. ANJALI PATIL-GAIKWAD**

President, Gaikwad-Patil Group of Institutions

*With first class post graduate degrees in English Literature, Mass Communication and Sociology, plus M. Phil. in English Literature and now a Ph. D. in English, Dr. Anjali Patil-Gaikwad is an academician of repute. In addition to regular participation and paper presentation in national and international seminars, she has also been organizing international seminars on teaching and learning of English as a Second Language every year. Formerly associated with the Indian Liberal Group, she was the Secretary General of Liberal Youth South Asia, and has extensively toured various countries such as U. S., Germany, Belgium, Nepal, Sri Lanka, UAE, Mauritius, Thailand etc. She was also elected to the Senate of RTM Nagpur University.*



**PROF. SANDEEP GAIKWAD**

Treasurer, Gaikwad-Patil Group of Institutions

*Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) is one of the best Engineering Institutions in Centre India. To serve this institution as Treasurer is a nice experience for me. Started in the year 2007, the college has made tremendous progress in diversified fields, thanks to the contributions from philanthropists, Technology experts, research centres, dedicated staff and the continuous support of the Board members.*

*The essence of the life is to live a life for others and die for a noble cause. We at TGPCET express our gratitude for receiving an opportunity to serve the nation. We have a crystal clear vision of enlightening the student brain with sound and technology-rich academic curriculum. We pledge to ensure that the students of TGPCET will not only progress in their respective fields but will also become the responsible citizen by abiding to the rules and will live a disciplined life.*

*Our college has state of the art facilities for teaching, research and development. The students who have passed out of our college have already proved their mettle in various fields. I request all the students, staff members to enjoy your stay in the campus, contribute positively for the welfare of the institution by moving towards excellence in your chosen field. I personally appeal to all the students to make use of the facilities here and improve their skills so that you will have a glorious career ahead. I strongly believe in team work, only a good TEAM can bring out excellent results. By TEAM, I mean Together Empowering to Achieve More - so work as a team with good coordination to move towards excellence.*

## Principal Desk



**DR. P. L. NAKTODE  
PRINCIPAL**

*It gives me immense pleasure and pride in welcoming you to Tulsiramji Gaikwad-Patil College of Engineering & Technology, one of the rapidly growing institutions in Vidarbha, dedicated to fostering technical education in the region. The vision of our institution is to empower youths and to produce technically skilled manpower with very high moral values that are not only employable but are also capable of creating employment for masses. Our mission is to provide outcome based education by providing all necessary inputs, facilities and environment to empower our students in all possible ways. We understand that co-curricular and extra-curricular activities help in enhancing ones personality. This institution provides an environment for nurturing these activities so that young men and women get an opportunity to upgrade their skills and show cases their talent. To strengthen the wings of our students we have dynamic and dedicated workforce. Tulsiramji Gaikwad-Patil College of Engineering & Technology is committed to employing, developing and retaining the best teachers.*

## Vice-Principal Desk



**DR. PRAGATI PATIL**

Vice Principal

*Albert Einstein said, "Education is not about learning of facts but training young minds to think." There is a big difference between cramming up facts and learning them so that they can be applied in productive ways. At TGPCET, we try to work towards holistic development of our students by providing them the tools and experiences that encourage our students to think. The aim is to create empowered minds so that students are able to decide what is good for them, differentiate between right and wrong, choose opportunities that help build them up and enable them to live in harmony with all existence. As the Vice Principal, I am delighted that the institute's values align with my own personal values, including the importance of trust, respect, innovation and a sense of community.*



# Editorial Board



**HoD [M.C.A.] (Chief Editor)**



**Prof. T. P. Raju (Editor)**



**Prof. Shambhavi Holay (Editor)**



**Ms. Shraddha Manerao  
Motaghare  
(Student Member)**



**Mr. Shreekumar  
(Student Member)**

# BOS Chairman Desk

## International Conference on IKSAT-24

International Conference on Indian Knowledge System, Science, and Spirituality for Advancing Technology (IC-IKSAT-2K24) at TGPCET in Nagpur was to facilitate interdisciplinary dialogue and collaboration among scholars, researchers, practitioners, and enthusiasts interested in exploring the intersections of traditional Indian knowledge systems, modern science, spirituality, and technology.



**Department of Information Technology, Department of Computer Science, & Department of Master in Computer Application had conducted Two Days International Conference on “INDIAN KNOWLEDGE SYSTEM, SCIENCE AND SPIRITUALITY FOR ADVANCING TECHNOLOGY (IC-IKSAT 2K24)”. Three eminent experts from various parts of India were invited to share their wisdom and vast experience on the topic. and more than 150 participants had registered from India and conducted successfully.**



**Felicitation of Chief Guest Hon'ble Dr. Archana Potnurwar, Associate Professor, Priyadarshini College of Engineering, Nagpur**





**Felicitation of Hon'ble Dr. Pragati Patil, Vice Principal, TGPCET, Nagpur**



**Students Presenting Paper in International Conference on "INDIAN KNOWLEDGE SYSTEM, SCIENCE AND SPIRITUALITY FOR ADVANCING TECHNOLOGY (IC-IKSAT 2K24)"**



## Students Achievements

- 1) Ms. Kajal Patle got 1<sup>st</sup> Rank and felicitate with Gold Medal on 1<sup>st</sup> Graduation Day ceremony of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur



- 2) Ms. Poonam Upare got 1<sup>st</sup> Rank and felicitate with Gold Medal on 1<sup>st</sup> Graduation Day ceremony of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur



3. Mr. Palash Khangar got 2<sup>nd</sup> Rank and felicitate with Silver Medal on 1<sup>st</sup> Graduation Day ceremony of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur



4. Mr. Herambh Jatadhar got 3<sup>rd</sup> Rank and felicitate with Bronz Medal on 1<sup>st</sup> Graduation Day ceremony of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur



5. Ms. Smita Taiwade got NPTEL MOOCs course category award for achieving Elite + Silver rank.



6. Mr. Sayed Sajeed Syed Sadique got NPTEL MOOCs course category award for achieving Elite + Silver rank.



## Faculty Achievements

Following is the Faculty achievements details:

Sr. No.	Name of Faculty	Particulars
1	Mr. Roshan A. Chandekar	NPTEL Online Certification on <b>Cloud Computing</b> .
2	Mr. Roshan A. Chandekar	NPTEL Online Certification on <b>Programming in Java</b> .



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROSHAN ANANDRAO CHANDEKAR**

for successfully completing the course

**Cloud Computing**

with a consolidated score of **54 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23CS89S542802571

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**ROSHAN ANANDRAO CHANDEKAR**  
for successfully completing the course

## Programming in Java

with a consolidated score of **46** %

Online Assignments	14.53/25	Proctored Exam	31/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**  
(12 week course)

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S962900215

To verify the certificate



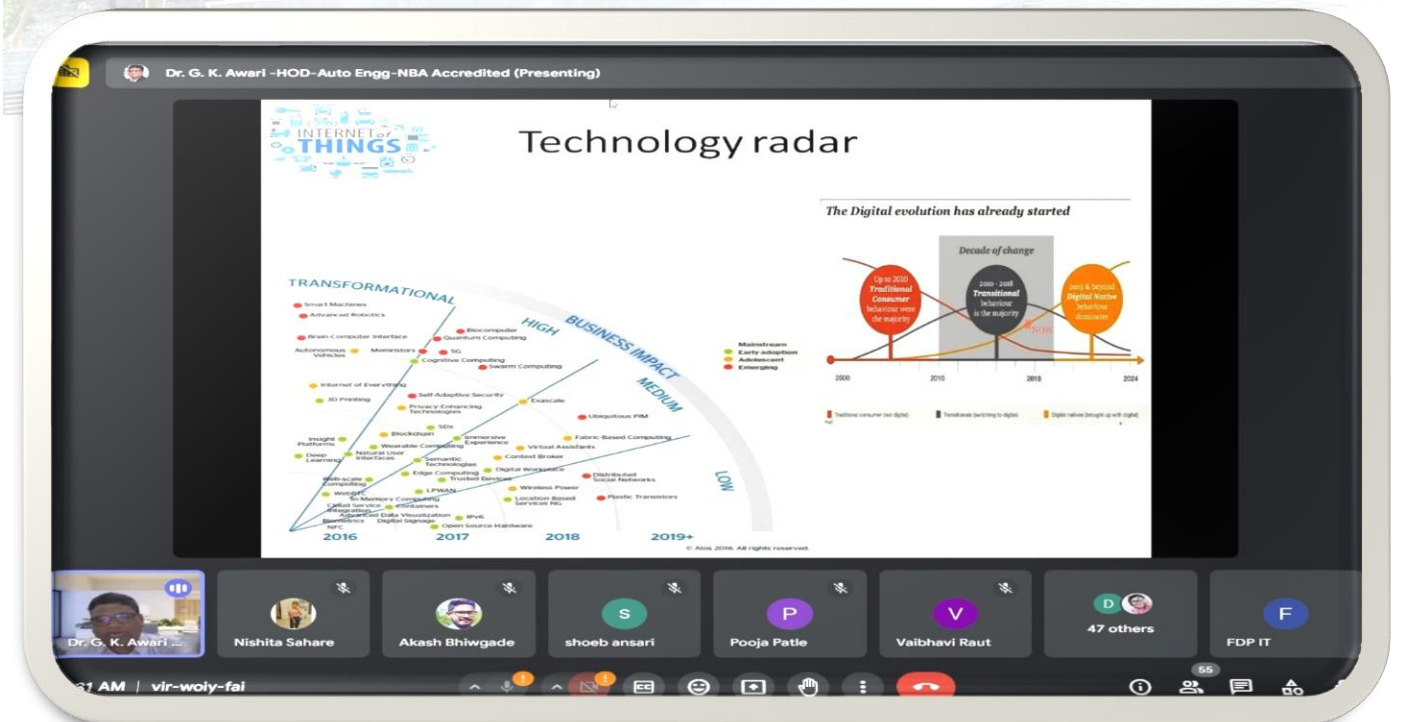
No. of credits recommended: 3 or 4





## National Level Technical Event

Department of Master in computer Application had conducted one-week online Faculty development program on “Recent trends in “Intelligent Automation through Artificial Intelligence, Machine Learning & Deep Learning “. Ten eminent experts from various parts of India were invited to share their wisdom and vast experience on the topic. and 52 participants has registered from India and conducted successfully.



## Expert Lecture & Industrial Visit

### List of seminar and workshop conducted

Sr. No.	Resource Person with Designation	Subject/Topic
1	Dr. HariomPuniyani, HOD, Commerce Department, Hislop College, Nagpur	'Motivational Lecture on 'Perfect Goal Setting'
2	Mr. Tushar Meshram, Delivery Manager, Yalamanchili, Nagpur	Advancement in Banking Domain Technologies'
3	Mr. Milind Bhurewar Technical Consultant, Global Logic India, GlobalLogic, Nagpur	'Advance testing tools & its usage'
4	Click2Cloud, Nagpur	Industrial Visit

### Glimpses of Expert Lecture



Guest lecture on  
'Advancement in Banking Domain Technologies'




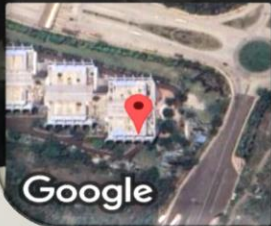
**Guest lecture on the topic “Advance testing tools & its usage”**



**Industrial Visit at Click2Cloud Mihan, Nagpur**



 **GPS Map Camera**



**Dahegaon, Maharashtra, India**  
22XP+F63, MIHAN, Nagpur, Dahegaon, Maharashtra 441108, India  
Lat 21.048621°  
Long 79.035566°  
30/04/24 12:19 PM GMT +05:30

**Industrial Visit at Click2Cloud Mihan, Nagpur**



**Farewell Party 2K24**

## FROM THE COLLEGES

### **Tulsiramji Gaikwad-Patil College of Engineering and Technology**



TULSIRAMJI Gaikwad Patil College of Engineering and Technology (TGPCET) hosted its inaugural graduation ceremony recently. The chief guest was Dr Sanjay Dudhe, Vice-Chancellor of RTMNU. Joining him were Arvind Kumar, Centre Head of Tata Consultancy Services (TCS), Nagpur, and Dr Raju Hiwase, Registrar of RTMNU. Among the medal holders were Sonali Bhoyar, who was awarded the Gold medal, and Rucha Bhagat, who received the Silver medal for MTech. Poonam Upare received the Gold medal. Palash Khangar and Herambh Jatadhar were awarded the Silver and Bronze medals respectively for MCA. Additionally, Ankita Thakare was honoured with a Gold medal for both MCA and MBA. The gathering was graced by Mohan Gaikwad-Patil, Chairman of GPGI, Akash Gaikwad-Patil, Vice Chairman of GPGI, Dr Sandeep Gaikwad-Patil, Treasurer of GPGI and Geeta Gaikwad-Patil.

## TGPCET holds lecture on 'advanced resting tools'

**M**aster in computer application (MCA) department of **Tulsiramji Gaikwad-Patil College of Engineering & Technology (TGPCET)** organized a guest lecture on 'Advanced testing tools & their usage.' **Milind Bhurewar**, technical consultant, GlobalLogic India, was the speaker. Bhurewar explained the importance of **software testing** and different types of software testing strategies. He **enlightened students** about the skill set required by software testers and their

**career paths**. He also shared his personal industrial experience with the audience in automation testing. He educated students with **practical demonstrations** on testing tools '**Selenium** with Java, and a bug tracking tool called **Bugzilla**. Nearly **60 students** of the MCA department attended the session. **Mohan Gaikwad-Patil**, chairman of GPG and **Akash Gaikwad-Patil**, appreciated the efforts taken by all staff members of MCA.

## एमसीए विद्यार्थ्यांसाठी व्याख्यान

नागपूर : तुळशीराम गायकवाड-पाटील कॉलेज ऑफ इंजिनीअरिंग अँड टेक्नॉलॉजी



येथील एमसीए विभागाच्यावतीने नुकतेच 'अॅडव्हान्स्मेंट इन बॅकिंग डोमेन टेक्नॉलॉजीज' या विषयावरील व्याख्यानाचे आयोजन करण्यात आले. सॉफ्टवेअर तज्ज्ञ तुषार मेश्राम प्रमुख अतिथी होते. त्यांनी विद्यार्थ्यांना कॉल सेंटरची कामे, ई-कॉमर्स, एटीएम कार्ड्स इत्यादी विषयांवर माहिती दिली.

विभागप्रमुख प्रा. रोशन चांदेकर यांनी प्रास्ताविक केले. सिया तुरकर यांनी आभार मानले. प्रा. टी.पी. राजू यांनी मेश्राम यांचे स्वागत केले. कार्यक्रमाला विभागातील प्राध्यापक विभागाचे ८० विद्यार्थी या कार्यक्रमात सहभागी झाले होते. संस्थेचे अध्यक्ष डॉ. मोहन गायकवाड-पाटील, उपाध्यक्ष आकाश गायकवाड-पाटील यांनी आयोजनासाठी एमसीए विभागाचे कौतुक केले.

## अभियांत्रिकी महाविद्यालयात प्रगत चाचणी साधने या विषयावर अतिथी व्याख्यान



■ महासागर प्रतिनिधी, गुमगाव, दि. ०३ : तुळशीरामजी गायकवाड-पाटील अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय, नागपूरच्या मास्टर इन कॉम्प्युटर ऍप्लिकेशन विभागातर्फे नुकतेच प्रगत चाचणी साधने आणि त्याचा वापर या विषयावर अतिथी व्याख्यान आयोजित करण्यात आले होते. या कार्यक्रमाचे पाहुणे वक्ते मा. श्री मिलिंद भुरेवार, तांत्रिक सल्लागार, ग्लोबललॉजिक इंडिया, नागपूर. त्यांनी सॉफ्टवेअर चाचणीचे महत्त्व आणि विविध प्रकारच्या सॉफ्टवेअर चाचणी धोरणांची माहिती दिली. सॉफ्टवेअर टेस्टर्सना आवश्यक असलेले कौशल्य, करिअरचा मार्ग याविषयी त्यांनी विद्यार्थ्यांना प्रबोधन केले आणि चाचणीच्या ऑटोमेशनमध्ये त्यांचा वैयक्तिक औद्योगिक अनुभव प्रेक्षकांसोबत शेअर केला. चाचणी क्षेत्रात जावा आणि पायथन या भाषांना मागणी असल्याचे त्यांनी विशेष नमूद केले.

त्यांनी विद्यार्थ्यांना सेलेनियम

विथ जावा, बगझिला नावाच्या बग ट्रॅकिंग टूल या चाचणी साधनांवर व्यावहारिक प्रात्यक्षिकांसह शिक्षण दिले.

या सत्रात एमसीए विभागाचे सुमारे ६० विद्यार्थी सहभागी झाले होते आणि तज्ञांनी संवादात विद्यार्थ्यांच्या प्रश्नांचे निराकरण केले. विद्यार्थ्यांनी हा कार्यक्रम माहितीपूर्ण, उपयुक्त असल्याचे निरीक्षण केले आणि कार्यक्रमाबद्दल सकारात्मक प्रतिक्रिया दिल्या. डॉ. मोहन गायकवाड-पाटील, अध्यक्ष GPG, श्री. आकाश गायकवाड-पाटील, उपाध्यक्ष, GPG, डॉ. संदीप गायकवाड, खजिनदार, जीपीजीआय, डॉ. पी. एल. नाकतोडे, प्राचार्य, टीजीपीसीईटी, प्रा. प्रगती पाटील, उप-प्राचार्य, टीजीपीसीईटी यांनी विद्यार्थ्यांचे अभिनंदन केले आणि एमसीएच्या सर्व कर्मचाऱ्यांनी घेतलेल्या प्रयत्नांचे कौतुक केले.

कार्यक्रमाची सूत्रसंचालन एमसीए ची विद्यार्थिनी कु. श्रुती आमले यांनी केले तर आभार प्रा. वैशाली पाटील यांनी मानले.

## Farewell prog held at Tulsiramji Gaikwad-Patil College



Students of 2022-24 batch during the event.

The Master in Computer Application (MCA) department at Tulsiramji Gaikwad-Patil College of Engineering & Technology (TGPCET) recently bid farewell to its final year students (batch 2022-2024) in a memorable event.

The farewell programme, marked by pulsating music, stage performances and a vibrant atmosphere, saw HOD MCA acknowledging outstanding academic and co-curricular achievements of the students. Emotions ran high as students shared personal anecdotes of their journey

with faculty members, attributing their success to invaluable mentorship. The entire MCA faculty graced the occasion, imparting blessings for the students' future endeavors.

Dr Mohan Gaikwad-Patil, chairman, GPG; Akash Gaikwad-Patil, vice-chairman, GPG, along with other dignitaries including Dr Sandeep Gaikwad, Treasurer, GPGI; Dr PL Naktode, principal, TGPCET and Prof. Pragati Patil, vice-principal, TGPCET, extended warm congratulations to the graduating students.



## मिहान येथील कंपनीला यशस्वी भेट



### ■ महासागर प्रतिनिधी,

गुमगाव, दि. १६ : तुळशीरामजी गायकवाड-पाटील कॉलेज ऑफ इंजिनीअरिंग अँड टेक्नॉलॉजी, नागपूर यांनी नुकतीच खडबडू स्टुडंट्स चॅप्टर अंतर्गत मास्टर इन कॉम्प्युटर ऍप्लिकेशन प्रथम वर्ष आणि द्वितीय वर्षाच्या विद्यार्थ्यांसाठी औद्योगिक भेटीचे आयोजन केले होते. तुळशीरामजी गायकवाड-पाटील कॉलेज ऑफ इंजिनीअरिंग अँड टेक्नॉलॉजीच्या एमसीए विभागातील एकूण ५० विद्यार्थी औद्योगिक भेटीसाठी उपस्थित होते. सुश्री अदिती बाजपेयी, यांनी कंपनीच्या अटी आणि उत्पादने ग्रो पायलट, क्लाउड ब्रेन विद्यार्थ्यांना समजावून सांगितली. तिने उद्योगांमध्ये वापरल्या जाणाऱ्या सॉफ्टवेअर तंत्रज्ञान, नोकरीच्या संधी मिळविण्यासाठी आवश्यक कौशल्य संच देखील समजावून सांगितले. सत्रानंतर त्यांनी विद्यार्थ्यांशी संवाद साधला आणि त्यांच्या शंकांचे निरसन केले. श्री प्रवीण ठाणेकर, यांनी विद्यार्थ्यांना जागतिक प्रमाणन परीक्षा उत्तीर्ण करण्यासाठी उपयुक्त तंत्रे समजावून सांगितली. विद्यार्थ्यांनी हा कार्यक्रम उपयुक्त असल्याचे निरीक्षण करून सकारात्मक प्रतिक्रिया दिल्या. यावेळी डॉ. मोहन गायकवाड-पाटील, अध्यक्ष, श्री. आकाश गायकवाड-पाटील, उपाध्यक्ष, डॉ. संदीप गायकवाड, खजिनदार, जीपीजीआय, डॉ. पी. एल. नाकतोडे, प्राचार्य, टीजीपीसीईटी, प्रा. प्रगती पाटील, उप-प्राचार्य, टीजीपीसीईटी यांनी विद्यार्थ्यांचे अभिनंदन केले आणि एमसीएच्या सर्व कर्मचाऱ्यांनी तलेल्या प्रयत्नांचे कौतुक केले.