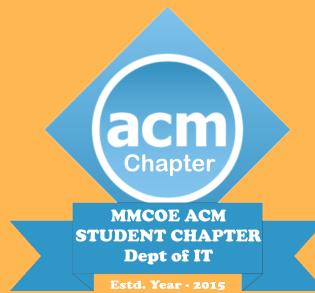# Department of Information Technology

InTegenious

Volume V | Issue 2 | Dec 2019 – May 2020
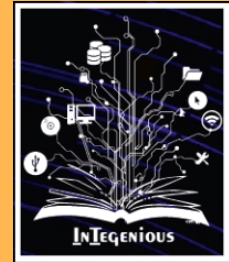
Highlighting Events

- One week FDP on PHP and MySQL in association with IITB Spoken Tutorial

- One day workshop on C/C++ under IITB Remote Center

- Poster Presentation Competition for BE students

- Online Quiz Competition "Kushagra"

Student Chapters/ Associations

MMCOE ACM STUDENT CHAPTER Dept of IT
Estd. Year - 2015

ITSA
Estd.2014
Once we commit we never rollback!!

MoU's with Industries

PERSISTENT

GANESHA

cybervault
Endlessly Alert.

ATS Infotech Pvt. Ltd.

AgileSoft Methodologies

KasNet
Trusted Partner in your Growth
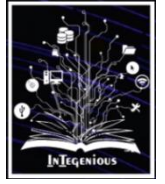INDIA | USA

ZenSar
TECHNOLOGIES

ecoRise
Software Solutions

InTegenious

A biannual newsletter from Department of Information Technology, MMCOE

Volume V | Issue 2 | December 2019 – May 2020

Contents

Vision of Department:

❖ **To Emerge as a Center of Excellence in Information Technology education, for enrichment of Society.**

Mission of Department:

❖ **To cater Industry with engineers having theoretical & practical background and competent IT skills.**
❖ **To pursue advanced knowledge in field of Information Technology.**
❖ **To inculcate budding IT engineers with professional and interpersonal skills.**

Message from HOD

Dear Readers,

I feel glad to introduce you to, our Second issue of volume V, of IT Dept e-newsletter "InTegenious". In this issue we have covered almost all the activities of the dept for AY 2019-20 Sem - II. Major activities that I would like to highlight are One week FDP on PHP and MySQL in association with IITB Spoken Tutorial, One day workshop on C/C++ under IITB Remote Center. I appreciate the efforts taken by E-newsletter team and wish them all the best for upcoming issues.

Programme Educational Outcomes (PEO's):

The students of Information Technology Program after passing out will possess:

❖ **PEO1:** Adequate knowledge and skills in Information Technology for implementation of complex problems with innovative approaches.

❖ **PEO2:** Inclination and technical competency towards professional growth in the field of Information Technology.

❖ **PEO3:** Ethics and value based interpersonal skills to facilitate lifelong learning and societal contributions.

Team InTegenious

Volume V | Issue 2 | December 2019 – May 2020

Our Mentor: Dr. Vijaykumar Bidave, HOD IT.

Faculty Editor: Mr. Nikhil Dhavase, Assistant Professor, Dept. of I.T.

Student Editor: Ms. Prajakta Raut, TE IT.

Student Placement Details

Sr. No	Name of Student	Company	Package (in Lac)
1.	Mr. Ashutosh Amrutkar	FIS Global	5
2.	Ms. Sneha Wagh	Tech Mahindra	3.25
3.	Ms. Shivani Gautam	Tech Mahindra	3.25
4.	Mr. Karan Rajurkar	Cognizant(CTS)	4.05
5.	Mr. Pradip Shelke	Cognizant(CTS)	4.05
6.	Mr. Yash Jawalkar	Cognizant(CTS)	4.05
7.	Mr. Sachin Birader	IBM	4.25
8.	Ms. Manasi Desai	Infosys	3.06
9.	Mr. Vinay Dasalkar	Infosys	3.06
10.	Ms. Swati Suman	Infosys	3.06
11.	Ms. Radha Kulkarni	Aress	3.6
12.	Ms. Kalyani Pathak	Cognizant(CTS)	4
13.	Mr. Anurag Joshi	Schlumberger	6.58
14.	Mr. Sachin Birader	Wipro	3.5

Student Achievements

Sr.No	Name of Student(s)	Achievement Details
1.	Ms. Riya Chougle	First Position in the event of "Poster Competition" at Persona Fest 2020, MITADT
2.	Ms. Niharika Sadul, Mr. Salil Chincholkar	Traveled to Japan for Placement Activity
3.	Ms. Tanmayee Kulkarnee	Placed in "VMWARE" with package of 10 Lac

Student Internships

Sr. No	Student Name	Company Name
1.	Ms. Prajakta Sanjay Raut	Shariwa Solutions,pvt.Ltd.
2.	Ms. Riya Chougule	Webster Solutions pvt. Ltd.
3.	Mr. Anurag Joshi	FranConnect India Software Pvt. Ltd.
4.	Mr. Tejas Kulkarni	Runbuddies club
5.	Ms. Riya Chougule	CRM Cloudtech

Student Publications

| Sr No	Name of Author	Paper Title	Journal/ Conference
1.	Ms. Akanksha Gadikar Mr. Omkar Gokhale Mr. Subodh Wagh Ms. Anjali Wankhede	Implementation Paper on Speech Emotion Recognition & Accent Identification	IJRECE
2.	Mr. Raj Balsekar Mr. Rashi Gundapwar Ms. Aditi Parekh Ms. Manasi Desai	Offline Signature Forgery Detection Using Convolutional Neural Network	JETIR
3.	Mr. Shounak Pawar Mr. Harsh Joglekar Mr. Sarang Umap	Block chain based Land Registry	JETIR
4.	Mr. Pradip Shelke Mr. Shreyash Malavade Mr. Vinay Dasalkar Ms Karan Rajurkar	Viral Post Category Identification By Using Core NLP Technique	JETIR
5.	Ms.Kalyani Pathak Ms. Krutika Bhagwat Ms. Karishma Suryawanshi	Sarcastic Sentiment Detection with Fuzzy Logic	IJEAT

Workshops & Technical Events Conducted By Department

1. **One week Faculty Development Program on "PHP and MySQL" in association with Spoken Tutorial IITB :**

The Departments of Information Technology and Computer Engineering in association with Spoken Tutorial, IITB had organized an online one week Faculty Development Program on PHP & MySQL from 30th April to 5th May 2020. In the wake of COVID-19 lockdown, it was conducted virtually and received huge response instantly. 135 faculty members from various colleges all over Maharashtra participated in the program to make it a success. The program was organized and coordinated by Mrs. Preeti Joshi and Mrs. Anita Shinde under the guidance from HOD IT, Dr. V. S. Bidve, HOD Computer, Dr. H. K. Khanuja, and Principal Dr. S. M. Deshpande.

2. Organized One Day Workshop on (C/C++) under IITB Remote Centre :

MMCOE Remote Center hosted a one day workshop on 29th February 2020 on C and C++, Conducted by the Teaching Learning Center (ICT). Considering the importance of the C/C++ this workshop is not subject-specific, teaching faculty from all colleges (engineering, sciences, arts, commerce, management, law, medicine, etc.), polytechnic colleges, ITI's, and schools, all attended this workshop. The C and C++ workshop is organized by the Teaching Learning Center (ICT) at IIT Bombay, and coordinated remotely by MMCOE Remote Centre RC ID: 1534. Under the scheme of the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNMTT), MHRD, Govt. of India. Live interaction of all the participants with IITB was conducted between 9 am to 10 am & 5 pm to 6 pm with Dr. Kannan M Moudgalya, Principal Investigator, Teaching Learning Center (ICT) at IIT Bombay. Our Principal, Dr. S. M. Deshpande and HOD IT, Dr. V. S. Bidve guided participants by their enlightening speech.
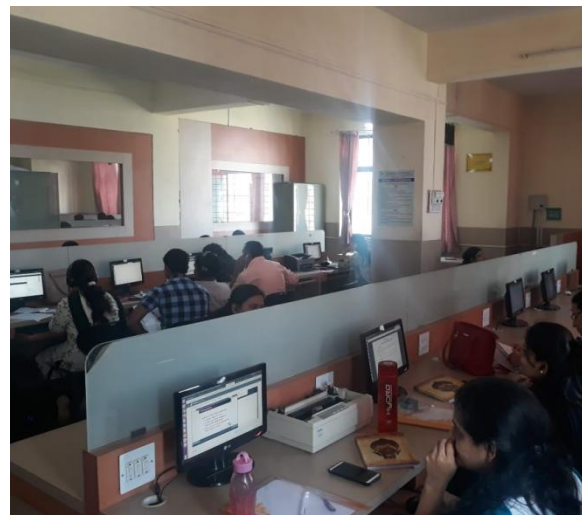
3. Poster Presentation Competition:

The Department of Information Technology had organized Poster presentation competition on 29th May 2020 for final year projects. Total 20 groups participated in this online event. Presentation and evaluation of the posters was carried out through online zoom meetings by faculty members and alumni members of IT department. Alumni of IT department, Mr. Vishal marhatta, Ms. Sharvali Aurangabadkar, Mr. Akmal ziyad were present during the online presentations. First prize was awarded to a poster on " Motion and Alert system for raw video summarization based on camera". Second prize was awarded to poster on "Sketch colourization". Third prize was shared by two posters on "Speech Emotion Recognition and Accent Identification" and "A fuzzy approach to text classification for ambiguous instances". The program was organized and coordinated by Mrs. Preeti Joshi and Mr. Pratik Kamble under the guidance from Dr. V. S. Bidve, HOD, IT .
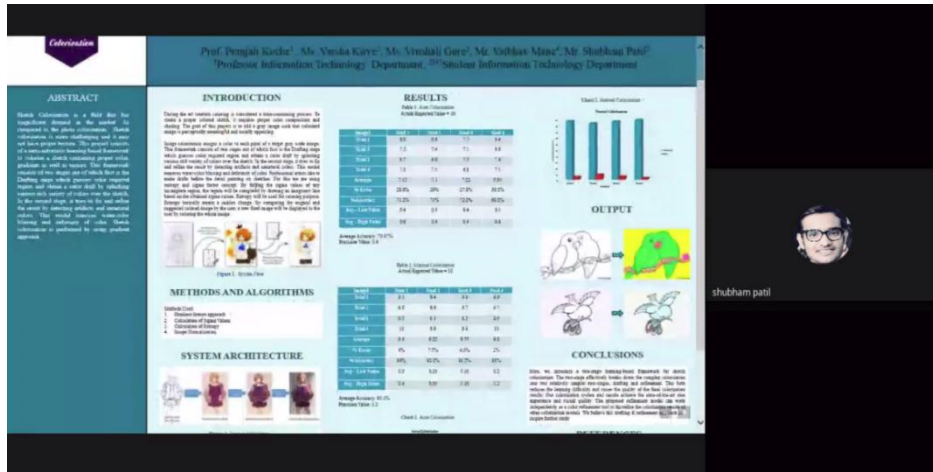
4.   Spoken Tutorial:

Spoken Tutorial Online Test was Conducted during 17th to 19th Feb 2020 for students of Information Technology department. The test was organized by Mrs. Preeti Joshi on Adv. C++ , Python and PHP-MySQL. Mr. Jitendra Chavan worked as Invigilator for the test. Total 210 students appeared for all three tests.

The result was as follows:

Advanced C++: 100%   ; Python : 97.22% ; PHP and MySQL : 95.89%

Parent Teacher Meeting

Parent Teacher Meet was conducted on 7th March, 2020. The registration of parents for the meeting started at 10:45 am. Parent teacher meet commenced at 11:30 am with speech of HOD, Dr. V. S. Bidave, parents interacted with HOD and other staff members of department. All the class teachers interacted with parents of respective class. Dr. S. M. Deshpande, Principal MMCOE addressed parents regarding skill development of students and awareness of their wards progress. Felicitation of toppers was done at the hands of Head of the department, and other faculty members. Also felicitation of a team of six students was done for being selected in National Level Hackathon (SIH 2020). Meeting concluded with vote of thanks and distribution of refreshments.

Seminars / Guest Lectures Conducted By Department

Sr. No	Name of Resource Person	Designation and Organization	Topic of Lecture	Date	Beneficiary class
1.	Mr. Saudagar Barde	Director of Pixaflip Technologies Pvt. Ltd	Session on "internship opportunities"	26/2/2020	SE, TE, BE
2.	Mr. Rohan Thuse	CEO of Prosperii Technologies Pvt. Ltd	Session on "internship opportunities"	26/2/2020	SE, TE, BE
3.	Mr. Mukesh Sharma	Eduit Consultant	GRE exam preparation	4/2/2020	TE, BE
4.	Mr. Pralhad Deshpande	Gate hub	GATE exam preparation	4/2/2020	TE, BE

MMCOE ACM Student Chapter Activities

● **Webinar on Real Time Applications of Data Science & Big Data Analytics:**

On May 2nd 2020, Department of Information Technology and MMCOE ACM student chapter conducted a webinar on Real Time Applications of Data Science & Big Data Analytics which focused on the real time applications of data science in the software world. The webinar was open to the public & approximately 65 people attended the session. The resource person for this webinar was Mr. Akshay Chougule (Senior Data Science Engineer, Medidata Solutions, USA).

● **Computational Science for Real-Time COVID-19 Response:**

On April 26th 2020, Department of Information Technology conducted a webinar on Computational Science for Real-Time COVID-19 Response which focused on the scalable and pervasive computing based concepts. The webinar was open to the public & approximately 85 people attended the session. The resource person for this webinar was Mr. Madhav Marathe (Division director of the Networks, Simulation Science and Advanced Computing Division at the Biocomplexity Institute and Initiative, at the University of Virginia).
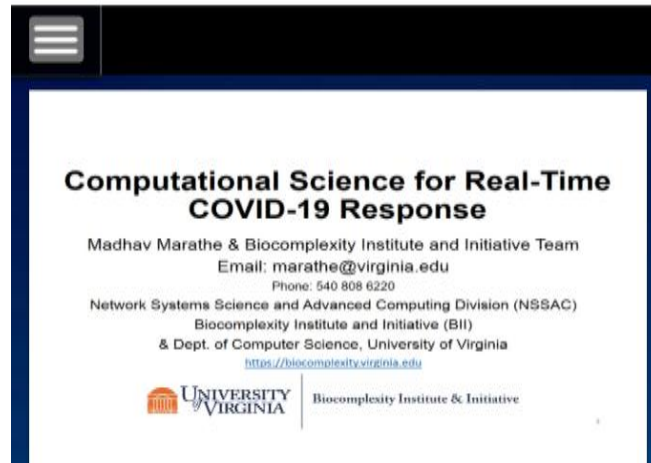
IT Students Association (ITSA) Activities

● ITSA is an association of IT department students for the students by the students of the students. ITSA was formed in AY 2014-2015.

● **Technical Quiz Competition 'KUSHAGRA':**

Students Association of Information Technology department (ITSA) successfully conducted an online technical quiz competition 'KUSHAGRA' on 24th April 2020. The quiz was attended by 60+ participants across all departments of Marathwada Mitra Mandal's College of Engineering (MMCOE) Karvenagar, Pune. The competition was based on Computer Science & Information Technology subjects that are the part of GATE exam.

Result (AY 2019-20 Sem I)

Sr. No	Class	No. of Students Appeared	Passing Percentage
1	SE	65	56.92%
2	TE	72	69.44%
3	BE	73	89.04%

Our Toppers

Class	Rank	Name of Student	SGPA / CGPA
SE	1	Bhomaj Bhakti Sanjay	9.36
SE	2	Virkar Amit Mahesh	9.12
SE	3	Khire Rutuja Sandeep	8.96
TE	1	Inamdar Atharva Yogesh	9.04
TE	1	Jadhav Deepika Mohan	9.04
TE	2	Mohite Rutuja Nagesh	8.78
TE	3	Sarap Vaidehi Sandeep	8.69
BE	1	Rushabh Lalwani	8.82
BE	2	Karishma B. Suryawanshi	8.77
BE	2	Wagh Sneha Arun	8.77
BE	3	Shreyas Malavade	8.68
BE	3	Teli Sayali Devidas	8.68
BE	3	Shelke Pradip Haribhau	8.68

Industrial Visit

Sr. No.	Class	Industry/ Organization	Date
1.	TE	Persistent Systems Ltd., Pune	28/02/2020
2.	SE	Credit Systems India Pvt. Ltd. Pune	29/02/2020

Dexterity 2k20

Dexterity is an annual national level technical event of MMCOE, where each department organizes some technical and non-technical events. Dexterity 2k20 was held on 20th Feb 2020. Total 600 students across Maharashtra participated in this event. The event was inaugurated at the hands of Hon. Principal Dr. S. M. Deshpande. This event was sponsored by many organizations like ISACA Pune Chapter, India forensics, CADD Centre, QCFI, Blueprints, Spandan, Hirameki Solutions, Pioneer, Indian Blockchain Institute, Invovotier Interior, B. S. Waghmare, M.B. Gaud, S. D. Enterprises, Mahindra, Ram Nursery and Bright Caterers. The Guests of Honour for the valedictory Function were Mr. C. S. Dhamankar, General Manager, Forbes Marshall, Pune and Mr. Deepak Vyawahare Consulting Director, Pune.

Department of Information Technology organized following events:

1) Tech Hunters - A 3 level competition where participants used their Googling skills, puzzle solving skills and code formation using hints. This event was coordinated by Faculty coordinator, Mr. P. B. Kamble and student coordinators Mr. Ajinkya and Mr. Vaibhav

2) Scavengers - A 2 level competition where participants used their technical knowledge and coding skills to complete the challenges. This event was coordinated by Faculty coordinator, Ms. Purva Chanana and student coordinators Mr. Raj and Ms. Rashi.

Total number of participants for these events were 39.

ENSEMBLE 2K20

Marathwada Mitramandal's College of Engineering successfully organized its 14th Annual Social Gathering - 'Ensemble 2K20' on 17th & 18th February 2020. Various indoor and outdoor sports like Cricket, Volleyball, Dodgeball, Carrom, Chess competitions were organized during 9th to 12th February 2020. Students participated whole heartedly in these competitions. Art gallery, Treasure hunt, Punja competition, Tik-tok competition were also organized for students. Cultural programs 'Gavaksh' and 'Unmesh' were organized for ladies & gents staff members.

Variety Entertainment program was organized on 17th February 2020 for students to showcase their talent with singing & dance performances. The Prize Distibution Ceremony for Ensemble 2k20 was conducted in presence of Mr. Suhas Baxi (MD, Demag Pvt. Ltd.) and Dr. Parag Kulkarni (CEO and Chief Scientist, Kvinna Ltd.) who were the guests of honour for this program. The event was successfully conducted with the support of management, under the guidance of Principal Dr. S. M. Deshpande, Dr. V. R. Deulgaonkar, Dr. V. S. Bidave. The event was coordinated by Prof. Pranjali Kuche and Prof. Nikhil Dhavase with the help of all staff members and students.

■ Student Participation and Awards:

Students from IT department participated and won in various events in Ensemble'20.

Following is the list of winners from IT dept at various events.

● Academic Excellence Awards:

Sr. No	Class	Name of Student	Remark
1.		Mr. Sachin Bavdhankar	First Topper
2.	SE	Mr. Shivam Mathwad	Second Topper
3.		Ms. Deepika Jadhav	Third Topper
4.		Ms. Bhagyashree Padrat	First Topper
5.	TE	Ms. Aditi Parekh	Second Topper
6.		Mr. Tejas Kulkarni	Third Topper
7.		Mr. Vishal Marhatta	First Topper
8.	BE	Mr. Aditya Phadke	Second Topper
9.		Ms. Manasi Patil	Third Topper
10.	BE IT (AY 19-20)	Mr. Sachin Biradar	Best Outgoing Student

NBA Visit

The peer team of National Board of Accreditation (NBA) visited MMCOE IT department during 17th to 19th January 2020. Many initiatives of the department were praised by the NBA peer team. The result of the NBA visit is awaiting.

Faculty Highlights

1. Seminar/ Workshop / Conferences Attended:

Sr. No	Topic	Name of Faculty	Particulars
1.	FDP on Artificial Intelligence organized by Computer Engineering Department BVCOE	Dr. V. S. Bidave	5 days FDP
2.	Online Faculty Development Program on Artificial Intelligence	Mr. P. B. Kamble	5 days FDP
3.	Promoting Quality Culture in Technical Institutions	Mr. P. B. Kamble	5 days FDP
4.	FDP on PHP MySQL- IITB Spoken tutorial	Mr. J. R. Chavan, Mr. N. S. Dhavase	One week FDP

2. Faculty Achievements and Publications:

1) Dr. V. S. Bidave, published paper on "Group-based Authentication Methodologies".

2) Dr. V. S. Bidave, published paper on "Traffic Zone Warning and Violation Detection Using Mobile Computing".

3) Dr. V. S. Bidave, published paper on "Sarcastic Sentiment Detection with Fuzzy Logic".

4) Ms. Preeti Joshi, published paper on "Implementation Paper on Speech Emotion Recognition & Accent Identification".

5) Ms. Preeti Joshi, published paper on "Detection and Prevention of SQLI Attacks inside the DBMS".

6) Mr. Pratik Kamble, published paper on "A Survey on Motion and Alert System for Raw Video Summarization Based on Camera".

3. List of faculty Members in the Department:

List of Staff Members

Name of the Staff & Designation		Name of the Staff & Designation	
Dr. Vijaykumar S. Bidave *Associate Professor* *&* *Head of the Deaprtment*		**Mrs. Rupali M. Chopade** *Assistant Professor*	

Name of the Staff & Designation		Name of the Staff & Designation	
Mrs. Preeti S. Joshi *Assistant Professor*		**Ms. Pranjali R. Kuche** *Assistant Professor*	
Ms. Sheetal A. Kakad *Assistant Professor*		**Mrs. Rashmi M. Bhattad** *Assistant Professor*	
Mr. Nikhil S. Dhavase *Assistant Professor*		**Mr. Pratik B. Kamble** *Assistant Professor*	
Mr. Swapnil S. Shinde *Assistant Professor*		**Mr. Jitendra R. Chavan** *Assistant Professor*	
Ms. Shruti Kulkarni *Assistant Professor*		**Ms. Meera Sawalkar** *Assistant Professor*	
Ms. Vidya Dhere *Assistant Professor*		**Ms. Sejal Raichura** *Assistant Professor*	
Ms. Purva Chanana *Assistant Professor*		**Mrs. Smita Kari** *Lab Assistant*	
Mr. Dinkar R. Patil *Technical Assistant*		**Mr. Vinayak M. Kulkarni** *Lab Assistant*	

An Algorithm must be seen to be believed

Donald Knuth
January 10, 1938

"Inventor of typesetting language TeX"
&
"Father of the Analysis of Algorithms"