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Towards ...Building a Sustainable Community

# MARATHWADA INSTITUTE OF TECHNOLOGY, AURANGABAD

*Publishing*

# MIT E-MAGAZINE OCTOBER -2018



# *A New Step Forward.....*

**Hello Everyone,**

**It gives me great pleasure to bring to you this second creative edition of MIT( E ) magazine. I am happy to see the enthusiasm of the students of the college to contribute to the magazine.**

**From our busy academic schedule, our students have devoted time and plunged into creating articles, heart-warming poems, vibrant sketches, and pictures. This shows the positive and creative energy of creators present in the college.**

**This magazine is designed to present to its readers the monthly events that have gone by, the magazine also showcases the talents of our faculty members and students.**

**With a sense of delight and satisfaction, I would like to say that with the active support of the management, faculty and students, MIT magazine has come alive. I congratulate all HOD's and students for making it innovative and inspiring. With all the strengths and contributions put in, I truly hope that the pages that follow will make some interesting reading.**

**I invite you to read and immerse yourself in the creativity and be rejoiced.**

**Prof Deepali K. Hejib  
E-Magazine Coordinator**

# *Being Creative.....*

INNOVATION

TECHNOLOGY

CREATION

MIT

SUCCESS

ACHIEVERS

LEARNING

DESIGNERS



Let's Pen Down .....

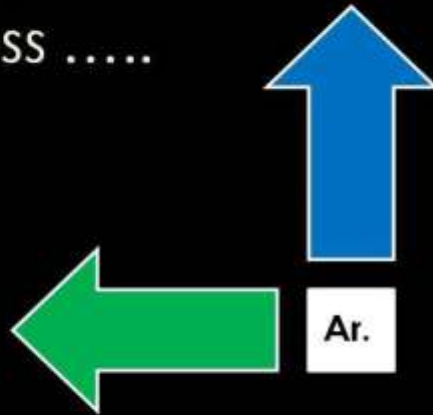


# Architect's Day.....

an  
**ARCHITECT**  
shall possess .....

**Linear  
Creativity:**  
(Logic / Knowledge)

1. FOCUS
2. DEPTH
3. SKILLS
4. HARD-WROK
5. EXPERIENCE
6. GROWTH
7. EXPANSION



**Lateral  
Creativity:**

(Intuitive/ Imagination)

1. BREADTH
2. INNOVATION
3. UNIQUENESS
4. ANALOGIES
5. OUT-OF-THE-BOX
6. NON-LOGIC

Ar. Sanjay Mhaske



The International Union of Architects (UIA) established the World Architecture Day in 1986. It is traditionally celebrated every year on the first Monday in October to coincide with the United Nations World Habitat Day, under the theme "Architecture... for a Better World".



# WORLD ARCHITECTURE DAY AND LE CORBUSIER

World architecture day is celebrated on first Monday of October every year. This celebration forms a platform for the exchange of ideas, thoughts and making every student of architecture realize that the responsibility of a better tomorrow is on his shoulders. The other occasion to celebrate in this month ,is the birth anniversary of the legendary architect le Corbusier on 6 October.

Architecture and Corbusier and so parallel and synonymies that if at all we stress to find the difference between these two then there's a just thin hairline difference between them.

Le Corbusier was one of the most celebrated architects of the 20th century. Born in the small Swiss city Le Corbusier is widely regarded as the most important architect with modern theories. As a gifted architect, provocative writer, divisive urban planner, talented painter, and unparalleled polemicist, Le Corbusier was able to influence some of the world's most powerful figures, leaving an indelible mark on architecture that can be seen in almost any city worldwide. His designs combined the functionalism of the modern movement with a bold, sculptural expressionism.

In the year 2016-17, seventeen projects by Le Corbusier in seven countries were inscribed in the list of UNESCO World Heritage sites as 'The Architectural work of Le Corbusier, an outstanding contribution to the Modern Movement.'

Corbusier always highlighted that architects are solutioneries,

If we study the life of Corbusier surely we can summarize 5 points that every student must follow to be a good architect as well as responsible citizens and they are

**OBSERVE, ANALYZE, FAITH, AWARENESS, CHANGE**

Be an open hand throughout your life, as The Open Hand is a recurring motif in Le Corbusier's architecture, a sign for him of "peace and prosperity. It is open to give and open to receive."

So ,can there be any way, other than thinking and endeavoring in accordance with his ideals , to offer a real remembrance to this great soul?

- © Chinmay S. Pade  
5<sup>th</sup> Yr.Architecture



# The Unexplored Path- The Dharashiv Caves

Cave architecture has been practised in Indian subcontinent since ages. One of such example of cave architecture is the Dharashiv caves . I was fortunate enough to visit this caves recently. Located on the slopes of the Balaghat Mountains, the Dharashiv caves are a prime example of the initial cave architecture in India.

Dharashiv caves are a group of 7 caves reflecting Jain, Buddhist culture. It is hardly a 20 min drive from Osmanabad city. We headed towards the caves early in the morning. It was already an overcast sky. We parked the vehicle on upside of the hill and started descending along a valley .There are steps constructed by government to access the caves .A small stream of water was also accompanying us as we were coming down .

As we descend the narrow valley and reach the plain land, the view opens up . The pathway bifurcates with a path leading to hilltop on left side and on right there are Buddhist and Jain caves. Straight till the horizon were seen the plains embedded with small lakes .





The monsoon had truly blessed the region with clouds literally touching the hilltops .The sun was also playing hide and seek. On this whole backdrop stood a majestic temple in between .It was Shiva temple, built in typical Hemadpanthi style .Here I was a little jealous of lord Shiva because he had found a truly scenic place to meditate.

We first turned our direction towards Buddhist n Jain caves. The pathway was fully covered with grass and due to rain it was very slippery .The stone is very brittle in nature (this is the prime reason that the caves are unfinished) .First and third caves are just similar, with just a rectangular hall and columns in between.

The second cave was interesting; it had a small gateway (similar to torana in Buddhist architecture.) With some unrecognizable sculptures may be of Bodhisattvas .There were few steps ascending and reaching a platform .The facade of the cave was heavily damaged and fallen off. ,so the hall which primarily would have been enlightened by single beam of light from entrance ,was full of light .The hall was rectangular in shape with columns in between ,dividing the place into nave and aisle .Other caves are similar in nature with just a small prayer hall. The condition of the caves was denoting the lack of maintenance activity in the premises.



Suddenly It started raining heavily, we took shelter in one of the cave . The rain drops were filling the stream adjacent to the cave .The same drops filled my stream of thought with the question that" Why do we fail to conserve our rich heritage."

- © Chinmay Pade  
5<sup>th</sup> Yr.Architecture



## चौकांच्या कोनांपाशी...

काही दिवसांपूर्वी सहजच विचार करत बसलो होतो. की या जगातली अशी कोणती गोष्ट असेल की जी माणसानेच बनवली आहे आणि जिने माणूस बनताना पाहिलाय...माणूस तयार होण्याची प्रक्रिया अनुभवलीये... माणसांच्या या प्रवासावर जिचा खूप मोठा परिणाम पडलाय, जिने खूप पावसाळे पाहिलेत, अशी कुठली गोष्ट असेल...?

ते राजे नाहीयेत, कारण या प्रचंड मोठ्या काळासाठी कुठल्याही एका माणसाच आयुष्य ते कितीस? ती राजघराणी नाहीयेत. अगदी राष्ट्र सुद्धा आली आणि गेली. यातली गंमत अशी आहे की देश बुडाले पण त्यातली शहरं नाही... मग त्या या शहरांना पोसणाऱ्या नद्या आहेत का? की नद्यांना जिवंत ठेवणारे आणि आपण देव मानत आलेले पर्वत? पण नैसर्गिक गोष्टी नकोतच... कारण अगदी चंद्र बनला तो स्फोट, असो किंवा जग बनलं ते बिग बॅंग, निसर्गाचा आहेच की परिणाम माणसावर, त्यात आपण कितीही मागे जाऊ शकतो...

मग फक्त मानवनिर्मित गोष्ट हवी. ती चीनची भिंत, इजिप्तचे पिरामिड्स, हडप्पा मोहेंजोदडो किंवा मग इराणचे झीगरेत्स असतील का? नाही... कारण त्याही आधी इतिहास होताच माणसाला, प्रागैतिहास, प्रोटोहिस्ट्री म्हणतो आज आपण त्यालामग ती शहरं च असावीत. वाराणसी, बगदाद, रोम, जेरुसलेम, अथेन्स ही पाच-पाच हजार वर्षं जुनी आहेत. पण काही यांच्याही आधी होती जी आज नष्ट झालीयेत. इजिप्तमधली, इंका संस्कृतीतली, चीनच्या सिल्करूट वर ताक्लामकानच्या वाळवंटातली, सिंधू सरस्वतीच्या खोऱ्यातली अशी डुझनांवर शहर काळाच्या उदरात गडप झाली. पौराणिक आणि बायबल मधले संदर्भ असलेली ट्राय, द्वारकेसारखी शहर सुद्धा नामशेष झाली. सध्या आपण मेसोपोटेमिया मधल्या 'उरुक' जवळ असलेलं 'इरीडू' हे सगळ्यात जुन शहर मानतो. या उरुक वरूनच मग तो देश झाला आजचा इराक. पण शहरं काही एका दिवसात बनत नाहीत, आणि मुळात त्याही आधी माणूस होताच ना, संस्कृती होत्याच...म्हणून शहर नाहीत, गावं नाहीत, खेडी नाहीत, तांडे, वस्त्या, वाडे, घर, झोपड्या अगदी गुहा यातलं काहीही नाही.

खोलात जाऊन विचार केला तर लक्षात येतं माणसानेच बनवलेली आणि माणूस बनताना साक्षीदार असलेली, जिचा मानवी इतिहास, संस्कृती, सभ्यता यांच्यावर प्रचंड प्रभाव पडला अशी सगळ्यात जुनी गोष्ट आहेत 'चौक'... अर्धवर्तुळाकार असलेल्या चार गुहा, सहजच माणसाने शेजारी बांधलेल्या काही झोपड्या आपोआपच त्यांच्या मध्ये हे असे पटांगण असल्यासारखे चौक बनले. रात्रीच्या अंधारात माणसं अशा चौकांमधून जमत असावीत. एक व्यक्ती न राहता जमाव बनून विचार करत असतील. अज्ञाताचा धांडोळा घेण्याचा प्रयत्न सोबतच करत असावीत. यातलेच काही चौक मग या सगळ्या जमावाच्या मानसिकतेचा परिपाक म्हणून शरण जाण्यासाठीची प्रार्थनास्थळ बनली. कुठे याच चौकांच्या मध्ये यज्ञवेदी बसल्या, कुठे त्याचं अग्नीच बार्बेक्यू झालं, कुणी त्या आगी भोवती फेर धरून नाचू लागलं, कला बनत गेल्या. कुठे चौक टोळीच्या प्रमखाचे दरबार झाले. अगदी चोरांच्या शिक्षेच्या सुळापासून ते सन्याशांच्या धर्माच्या मुळापर्यंत... चौकांनी माणसाच्या माणूस असण्याला उद्दिष्ट दिलं...

मध्य आशियाई संस्कृतीचा भाग असलेलं आणि आजच्या तुर्कस्तानच्या उरल पर्वतांमध्ये असलेलं एक शहर उत्खननात सापडलय. या शहरातली सगळीं घरं एकमेकांना गच्च चिकटून. न रस्ते न चौक... घराबाहेर जायचं ते गच्चीवर चढून मग शेजाऱ्याच्या गच्चीवरून पुढे...



पण मग ते नष्टच झाले! गाव सोडून शहरात आले खरे , पण शहरं तरी कुठे स्थिर होती? दिल्लीसारखे शहर 'इंद्रप्रस्थ' पासून 'न्यू देल्ही' बनताना तब्बल आठ वेळा यमुनेच्या किनाऱ्याने वर वर सरकले. रोममध्ये वेगळीच तऱ्हा. रोम श्रीमंताच शहर. सगळीच घरं दुमजली. पण काही नैसर्गिक प्रकोपांमुळे या घरांचे तळमजले गाडले गेले. मग लोकांनी तसेच वर अजून माजले चढवले. गंमत अशी, की हे इथं पुन्हा पुन्हा घडलं. आजच्या रोम शहराखाली किमान तीन ते कमाल सात मजली शहर गाडलेल आहे. पोम्पेई सारखं शहर व्हेसुव्हियस च्या ज्वालामुखीमुळे धुळीखाली गाडल गेलं. तिथे उत्खननात रस्त्याने चालणारे, जेवणारे, काम करणारे असे सापळे सापडतात!

पण करत करत चौक शहरांमधून स्थापित झाले. आणि मग त्यांनी शहरांचं अंतरंग अक्षरशः ढवळून काढलंय. मोठाल्या शहरांमध्ये चौक स्वागताला उभे राहिले. कलकत्याला 'डलहौसी स्क्वेअर', मुंबईला 'गेटवे ऑफ इंडिया'. चौकांनी माणसांना एक व्हायला, राजसत्तांच्या विरुद्ध हक्कांसाठी लढायला शिकवलं. 'प्लेस डी ला बॅस्टील', फ्रेंच राज्यक्रांतीतला एक मोठा भाग बॅस्टीलचा पाडाव मिरवतो. माॅस्कोमध्ये 'झारच्या' म्हणजे राजाच्या जुलमी राजवटीवर मार्क्सवादी जनतेचा मोर्चा क्रेमलिन म्हणजे रशियाच्या संसदेवर निघाला. त्यावर झारने गोळीबार करवला. परिणाम म्हणून समोरचा चौक रक्ताने न्हाऊन निघाला आणि त्याचं नावच पडलं, 'रेड स्क्वेअर'. असंच एक लाल चौक आपल्या श्रीनगरमध्येही आहे. काश्मिरात साध काहीही झालं तरी या लाल चौकात त्याचं प्रतिबिंब उमटत. फार मागे कशाला, अगदी सहा सात वर्षांपूर्वी ट्युनिशिया मधल्या देशांमध्ये, लोकशाही यावी म्हणून लोक असेच चौकांमधून जमायचे...

चौकांनी जसे रयतेचे मानवी हक्क जपले. तसेच ते उन्मत्त सत्तांनी भरडतानाही पहिले. पुढच्या हजार वर्षात तरी जग चीनचा 'थिआनानमेन' हा जगातला सगळ्यात मोठा चौक विसरू शकेल असं वाटत नाही. काही दशकांपूर्वी लोकशाही मिळावी म्हणून तरुण कोवळी पोर-पोरी या चौकात आंदोलन करत होती. साम्यवादी चीनमध्ये हे लोकशाही आंदोलन, तेही अगदी थिआनानमेन चौकात! अर्थातच ते दडपण्याचा निर्णय झाला. आणि या पोरांवर रणगाडे घातले गेले. इथं एक फोटो घेतलेला आहे. एक तरुण मुलगा असा रणगाड्याच्या समोर दोन्ही हात पसरून आव्हान देतोय. रणगाड्याच्या गनचा पॉईंट त्याच्यावर आहे. आणि मागे मुख्यालयावर चीनी लाल झेंडे रांगेत फडकत आहेत. अचूक वेळी टिपलेला हा फोटो जगाला खूप हादरे देऊन गेला, पण मुळात हा परिणाम साधला तो या विशाल चौकानेच...

अशा सत्तांची भव्यता ही आत, त्यांच्या राजवाड्यामधून किंवा प्रासादांमधून नाही, तर समोरच्या चौकांमधून जास्त भावते. 'लाफायात्ते' चौकातनं दिसणारा व्हाईट हाउस चा नजारा असेल किंवा आपल्या दिल्लीत इंडिया गेटच्या 'विजय चौकातनं' दिसणारं दिमाखदार राष्ट्रपती भवन, संसद आणि राजपथ असेल. सत्तांच बाह्यरंग जसे चौक दाखवतात तसेच त्यांच्या मनात काय चाललय, याच अंतरंग सुद्धा सामान्यांना चौकांमुळेच कळतं. उगाचच नाही लंडनच्या 'टेन डाउनिंग स्ट्रीट' आणि कदाचित त्याचं नावावरून आलेला भारतातला 'दस जनपथ' वर काय चाललय याकडे अखख्या राष्ट्राच लक्ष असत. जुन्या सत्तांच्या गतवैभवाच्या खुणाही चौकच जपतात. इटलीचा 'पिआइझा डेल कोम्पो' हा सिएन्ना मधला चौक असेल अथवा मेक्सिको सिटीचा 'झोकोलो' चौक असेल. अगदी मौर्य काळातले अशोकस्तंभ सुद्धा आजही त्यांच्या उत्कर्षाच्या कथा सांगत चौका चौकांमधून उभे आहेतच की!



चौक धर्माची ओळख असतात. व्हॅटिकन सिटीमधला 'सेंट पीटर्स' स्क्वेअर असेल, मक्केतला 'ग्रेट मॉस्क स्क्वेअर' असेल किंवा जेरुसलेम चा 'सफ्रा स्क्वेअर'. जगभरातल्या श्रद्धांच्या अस्मितांचे प्रतिक बनून राहिलेले हे चौक. नुसते धर्मच नाही, तर राष्ट्रांच्या सुद्धा अस्मिता, सैन्याचे अचाट पराक्रम आणि राष्ट्रभक्तीची प्रतिक सुद्धा चौकच आहेत. इंग्लिश आरमारानं त्राफाल्गरची लढाई अचाट पराक्रमाने जिंकली, वेस्टमिनिस्टर मध्ये असणारा 'त्राफाल्गर स्क्वेअर' याची साक्ष देत उभा आहे. याच भावनेन मग भारतातल इंडिया गेट उभं राहतं. दिव्यत्वाची प्रचीती देत द्रासचं 'विजयपथ' कारगिल वॉर मेमोरियल पल्याडच्या टायगर हिलकडे बघत राहतं.

आश्चर्य वाटेल पण जगाची अर्थसत्तासुद्धा चौकच चालवतात! न्यूयॉर्कचा 'टाईम्स स्क्वेअर' वर्ल्ड ट्रेड स्क्वेअर, मॅडिसन स्क्वेअर, सिंगापूरचा 'पार्क व्यू स्क्वेअर' मुंबईचा 'दलाल स्ट्रीट' यांच्या मर्जीशिवाय अर्थजगताचं पान सुद्धा हलत नाही. 'वॉल स्ट्रीट' सारखे चौक जगातली माध्यमं चालवतात. सिलीकॉन व्हॅलीतले चौक तंत्रज्ञांच्या सभा अनुभवतात. मुंबईतल्या 'फाऊंटन' सारख्या चौकांनी हजारांवर गरीब मुलांना स्वस्तात पुस्तकं उपलब्ध करून दिली. चौकांनी जनमाणसात आपुलकी मिळवली. मग त्यांना प्रेमाने नावे मिळाली. स्वातंत्र्य मिळायच्या आधी कराचीमध्ये ब्रिटिशांनी नवीन वसाहती वसवल्या. आता अचानक शहरात खूप सारे नवे चौक आले. मग पत्त्यांचा प्रश्न आला कारण चौकांना नावच नव्हती! मग तिथल्या रिक्षाचालकांनीच त्या चौकांना भारतीय क्रांतीकारकांची नावे देऊन हा प्रश्न सोडवला.

चौक. या एका साध्या गोष्टीचा अभ्यास केला तरी जगाचा अख्खाच्या अख्खा इतिहास डोळ्यांसमोर उभा राहतो. चौक स्वागत करतात. इतिहास, सत्ता, वैभव, पैसा, धर्म मिरवतात. चौक त्या शहराचा स्वभाव सांगतात ! माणसांना एकत्र आणतात. एकमेकांना अनोळखी भेटायला, बोलायला लावतात. मग त्याच एकतेने निरंकुश हुकुमशाह्या उलटवतात, ते क्रांती घडवतात. ते सन्मान देतात, आणि थोरांची नावं स्वतःला घेऊन सन्मान वाढवतात सुद्धा. प्लाझा म्हणा, स्क्वेअर म्हणा, इंटरचेंज, चौक, चौफुली, फाटे... पण ते अखंड आणि सतत साक्षी आहेत माणसांना... अस्मितांमध्ये, श्रद्धांमध्ये, शौर्यामध्ये, स्थैर्यामध्ये, भूत-भविष्याच्या पाठशिवणीमध्ये चौक आहेतच...!!!

कधीकधी माझे विचार अतिशयोक्तीला पोहोचतात. मला वाटायला लागतं असे चौक प्रत्येकाच्या मनामनांमध्ये आहेत. मनांच्या आंदोलनांमध्ये आहेत. योग्य अयोग्याच्या, नीती अनीतीच्या, नैतिक अनैतीकाच्या वाटा तिथे छेदतात. कधी त्या वाटांवरचा लाल दिवा बघून आपण वेळीच थांबतो. कधी मर्यादा ओलांडलीच तर ठरलेल्या हवालदाराला चिरीमिरी देऊन त्यावर व्यावहारिकतेचं पांघरूण घालतो. मला वाटत आपलं जीवन हे असच चौकांसारखं आहे. कधी 'अधिकाच्या' उभ्या आडव्या वाटांची प्रसन्नता आहे कधी त्याच वाटा तिरप्या गेल्या तर 'क्रॉस'चं नैराश्य. मला नाही माहित या विचारांमध्ये काही लालित्य आहे किंवा नाही. पण मला सतत, चौकांमधून समाजाचं प्रतिबिंब दिसतं. माणसांच्या समाजशास्त्राचे कंगोरे दिसतात. समाज, राष्ट्र बदलताना दिसतात.

आजकाल चौकांमध्ये कुणाला थांबावं लागत नाही. क्लोवरलीफ, उड्डाणपूल, अंडरपाथ आहेत आता सगळीकडेच... जीवन वेगवान होतंय... आपण चौक टाळतोय, आणि कदाचित म्हणूनच... माणसंही! एकदा विचार करून बघा, चौकांच्याही कोनांतून...

- © शौनक कुलकर्णी

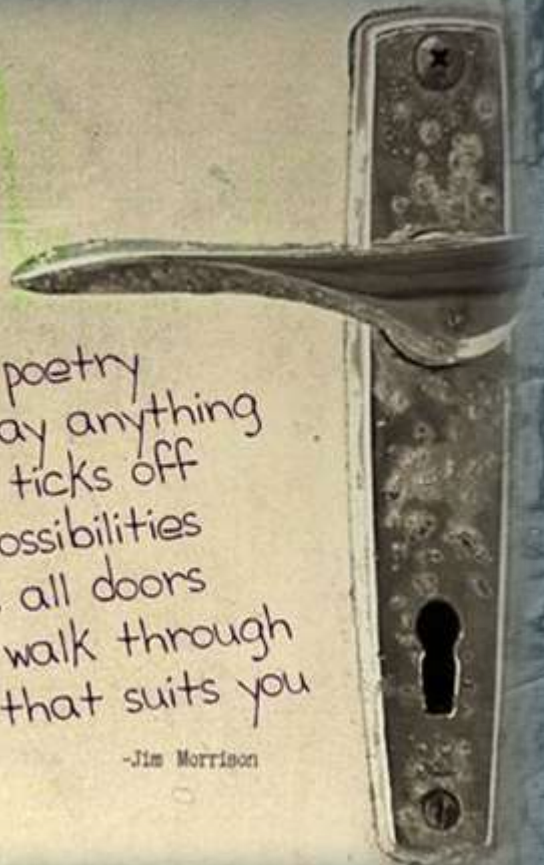


# Poetry .....

**LISTEN**

real poetry  
doesn't say anything  
it just ticks off  
the possibilities  
opens all doors  
you can walk through  
any one that suits you

-Jim Morrison





# वो एक दोस्त !!!!

जाने नही कैसे तू मेरा दोस्त बन गया ।  
मुझ जैसी को तू अपना मानने लग गया ॥

जो किसीसे कहा नहीं वो तुझे केहने लगी हु मैं ।  
जो कभी जाना नहीं वो समजने लगी हु मैं ॥

तेरे आनेसे SMILE करने लगी हु मैं ।  
अपने गुस्से पे CONTROL करने लगी हु मैं ॥

हमेशा सोचती हु अगर तू नहीं होता तो क्या होता ।  
लेकिन बस कहती हु की अब तू है तो तुझे कभी जाने  
नहीं दूंगी मैं ॥

जब तू साथ होता है तो POSITIVE FEEL करती हु मैं ।  
तेरे होने से खुश हो जाती हु मैं ॥

तुझ जैसे को मेरी LIFE का हिस्सा बनाने के लिए ।  
उपरवाले को रोज शुक्रिया करती हु मैं ॥

अंकिता मुंदडा, बी. आर्किटेक्चर





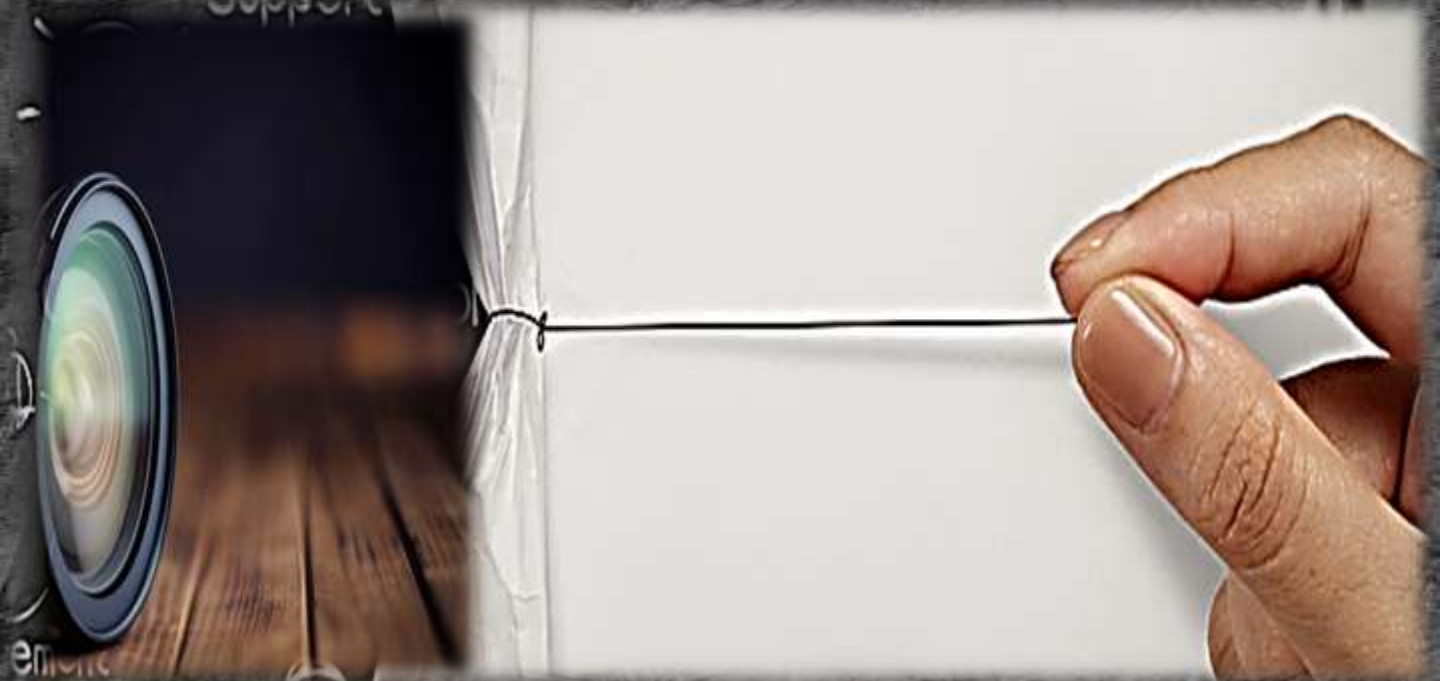
# इंजीनियर .....

मला वाटल इंजीनियर व्हव  
एखादी भरारी घेऊन तारामध्ये जावं  
कार्तीकेच्या यानात बसून पृथ्वीचं दर्शन घ्यावं  
पण...इथले रस्ते पण भलतीकडेच जातात  
सगळ्याच पाऊलवाटा असाइनमेंट अटेन्डन्स वरचं येतात  
सगळेच काही कॉलेज मध्ये शिकण्यासाठी येत नाही  
सगळेच काही कॅटिन चहा पिण्यास जात नाही  
राजा सोबत राणी असो वा राणी साबत राजा  
थेअरीच चालते इथे प्रक्टिल तेवढे होत नाही  
सगळ्याच प्राध्यापकना कुठे आम्ही खडस म्हणत असतो  
सगळेच लेक्चर्स कुठे आम्ही बंक करते असतो  
आहो सगळ्याच प्राध्यापकन कुठे आम्ही खडस म्हणत असतो  
सगळेच लेक्चर्स कुठे आम्ही बंक करत असतो  
आहो न्यानची भूक जिथे मिटते आमची त्या पंगतित  
आम्ही आवर्जून हजार असतो आम्ही आवर्जून हजार असतो  
मेकैनिकल वाल्यांनो अभियणत्याच्या जीवनाला अभियणत्याच्या  
ऑयलिंग ची गरज आहे  
कंप्यूटर वाल्यांनो सिस्टम ची कोडिंग  
सिर्विल वाल्यांनो पाया असेल मजबूत तेव्हा शिखर दिसेल आमचे  
इलेक्ट्रिकल आणि इलेक्ट्रॉनिक वाल्यांनो  
चुकलेले सर्किट पुन्हा जोडण्याची गरज आहे  
परत एकदा वाचतो  
अभियंताच्या जीवनाला अभियंताच्या भविष्याला  
ऑइलिंग ची गरज आहे.  
सिस्टमची कोडिंग थोडी बदलण्याची गरज आहे.  
पाया असेल मजबूत तेव्हा शिखर दिसेल चुकलेले सर्किट पुन्हा बदलण्याची  
गरज आहे.  
अभियंताचे स्वराज्य जर घडवायचं असेल तर  
अभियंताच्या आतल्या शिवाजी तेवढा  
जागा होण्याची गरज आहे

स्वप्निल वडनेरे  
टीई - ईई विभाग



Through the Lens.....





# Through the lens.....



- Balbhim Kulkarni (EE)
- Tejas Pardeshi (EE)





# Through the lens..... Navrasa



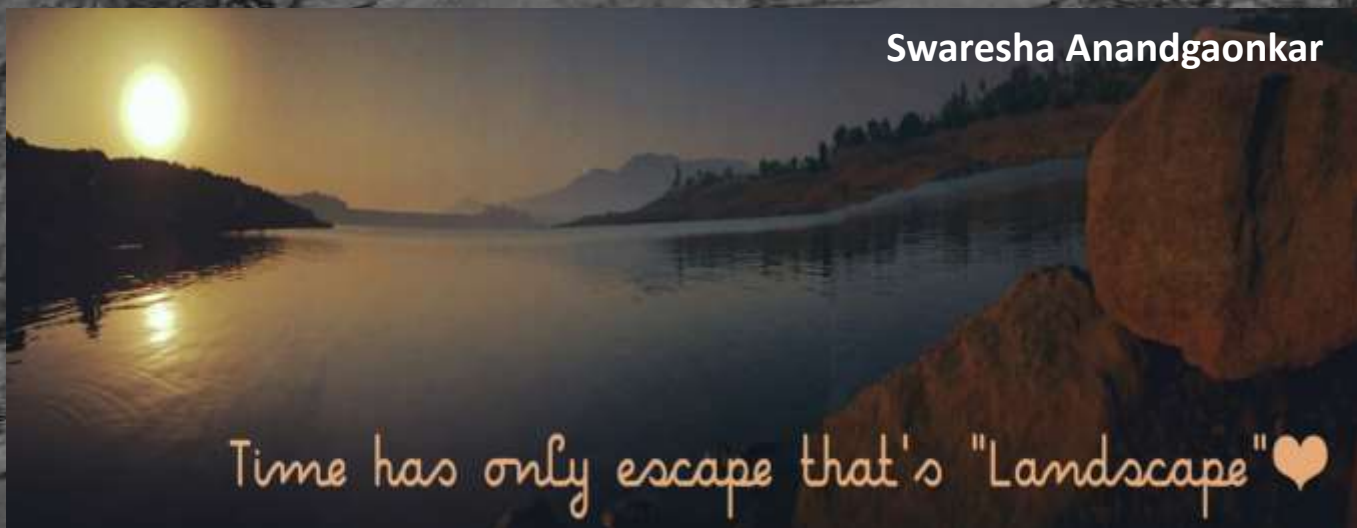
Through the lens.....



Neeraj Raut



Madhusudan Lahoti

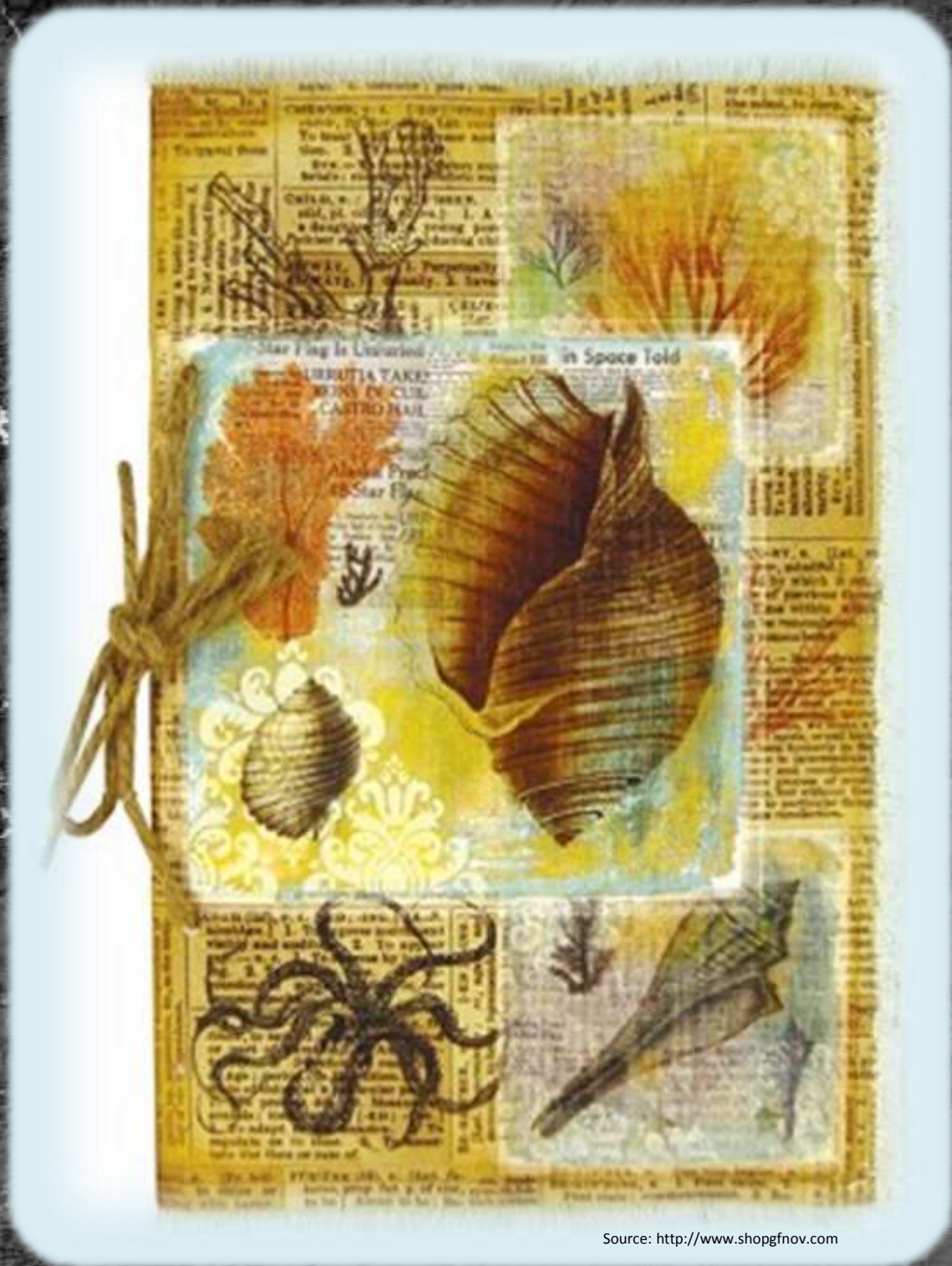


Swatesha Anandgaonkar

Time has only escape that's "Landscape" ❤️



# From notebook to CANVAS.....





Art Works.....



Shaunak Vaidya  
Richa Pande





# Art Works.....



Richa Pande



Rajat Patale

A  
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Shaunak  
Vaidya



# Life @ MIT.....the candid moments





# Life @ MIT..... the candid moments





# *Campus Diary.....*

INNOVATION

CREATION

TECHNOLOGY

MIT

SUCCESS

ACHEIVERS

LEARNING

DESIGNERS



# *Architects Day Celebration*

## Department of Architecture

### **Celebration of World Architecture Day and Birth Anniversary of Ar. Le-Corbusier". (6<sup>th</sup> Sept. 2018.)**

Department of Architecture on the occasion of World Architecture Day and Birth Anniversary of legendary architect Le-Corbusier on 6<sup>th</sup> October, Saturday. Number of activities were conducted in the department to mark the day. The students were rewarded for their curricular and extracurricular activities by the able hands of Principal Dr. N.G. Patil. The program also included live demonstration of the artistic skills by the students. Award winning architect and MIT alumnus Ar. Amruta Daulatabadkar was the chief guest for the event. She enlightened the students with her works and explained co-relation of heritage and modern architecture. The session was highly interactive and charged up the students.

The event was attended by all faculty members and students of Architecture department. Prof. Munish Sharma, Director General, MIT, Dr. N.G. Patil, Principal, MIT and Prof. Kuldeep Kaur Bhatia, HoD-Architecture congratulated all the faculty and students on their endeavors and achievements.



# *Social Initiative*

## Department of Architecture

### Social initiative by Architecture Department (6<sup>th</sup> Sept. 2018.)

Department of Architecture celebrated World Architecture Day and Birth Anniversary of legendary architect Le-Corbusier on 6<sup>th</sup> October, Saturday. As a social initiative towards **plastic free environment**, the students of Architecture department, first year to fifth year prepared more than **1000 paper bags** and distributed them amongst the vegetable and fruit vendors of Peer Bazaar, Kamgar Chowk Vegetable Market. A demonstration on 'easy methods of preparing paper bags' was given to all the vendors and customers. Students Pranav Pujari, Nikhil Bhope, and Kushal Chhajed under the guidance of Prof. Deepali Hejib, and Prof. Leena Aphale spread awareness in the market. This social initiative was the brain child of Head of the Department Prof. Kuldeep Kaur Bhatia, and was conducted smoothly due to her guidance and encouragement.





# *Vaachan Prerna Din*

## **Department of Electrical Engineering**

October 15, the birth anniversary of Dr APJ Abdul Kalam is celebrated as 'Vaachan Prerana Din'. The day could create "Vachan Katta" in students so that they have the quest for reading at latest one book in memory of Dr. Kalam. This day in general could begin with gifting a book to a person, writing contest, organizing debates, elocutions. The day was graced by Dr. S.M.Badave, HOD, EE Department who motivated students by telling them the importance of the day and benefits of reading in general in a student's life.

The celebrations begin with remembering Dr. APJ Abdul Kalam. Students were explained the benefits of reading in building and shaping up their career and honing their skills. Students displayed their love for reading by taking time to read books and magazines of their own interest and pledged to carry forward this activity throughout the year.



# *Inauguration of MCA Red Hat Lab*

## **Department of Masters of Computer Application**

Inauguration of MCA Red Hat lab held on 4<sup>th</sup> Oct. 2018 in MCA department. The chief guest for this inaugural program was Ms. Rani Patil, Partner Sales Manager, Global Learning Service at Red Hat India, Mumbai. The event was coordinated by Seema Kute and Dr. Shaikh Ashed Parvez. Objective of Guest Lecture: To make students of Computer Application department faceplate Red hat Laboratory in there department only. Ms. Priya Patil. Ms. Rani Patil addresses students about importance of open source and International Certification of Red Hat. MoU signing process between MIT Engineering college and Red Hat India. At the end of program Dr. Shaikh Ashed Parvez give vote of thanks.

After program end all dignitaries visited to Red Hat Academy lab in Computer Applications department. After inauguration program Rani Patil madam inspect Laboratory and communicated with faculty trainer of Red Hat Academy.





# *Students Association*

## **Department of Masters of Computer Application**

The inauguration of MCA student association held on 5<sup>th</sup> oct. 2018 in 105 seminar hall. The event was coordinated by Prof. Vrushali Bhuyar in association with MCA department. For this event Dr. Sayyad Aziz sir, Vice Principal, Academic section was the chief guest. Objectives of this event was to give students an opportunity to develop leadership by organizing and carrying out departmental activities. To foster communication among students, staff, and the community.

To promote, organize and execute activities that encourage student pride and college spirit. To share student ideas, interests and concerns with the school wide community.

Dr. Sayyad Aziz (VP-Admin) inaugurates the function. He congratulates the students who got selected for the various post of student association and felicitate the students by giving appointment order. Appeal to students to organize different activities under this and also to participate in various activities to groom themselves.



# *Fresher's and Farewell celebration*

## *Nexplora 2K18*

### **Department of Masters of Computer Application**

The fresher's and Farewell event was held on 6<sup>th</sup> Oct. 2018 in main auditorium for FYMCA, B. Voc first year and TYMCA students respectively. The event was organized by department of Computer Applications. The objective of the event was to give students an opportunity to develop leadership by organizing and carrying out departmental activities. To foster communication among students, staff, and the community.

Students of SYMCA organized fresher's for FYMCA and FY BVoc students also farewell for TYMCA students. Students participated in singing, dancing, fashion show and many more activities. All the faculty members were present for the fresher's and farewell program. Program followed by dinner was provided. Students enjoyed a lot this event.





# *Virtualization Competition*

## **Department of Masters of Computer Application**

The competition was held on 8<sup>th</sup> Aug. 2018 in MCA department for SYMCA and TYMCA students, total 29 students were participated in the event. The event was coordinated by Prof. Amar Mudiraj and Dr. Shaikh Ashed Parvez . Outcome of Competition:

Students able to-Used different hypervisor and Virtualization tools to explore different Operating system Environment, Managed and Configured the I/O, Network, Storage, Memory and Server Virtualization Behaviors on different Operating Systems.

Winners of the virtualization competitions are-

- The winner of the competition was Pranjali Satpute and Mugdha Joshi (SYMCA) [First Prize],
- Humaira Nasreen and Santoshi Joshi (SYMCA) [Second Prize],
- Akshay Gaikwad and Akshay Tangde (SYMCA) [Third Prize].



# *Workshops & Seminars*

## **Department of Electrical Engineering**

### **One Week STTP on “Electric Power System Protection”**

A one week STTP was conducted for the BE (EE) Students to enhance their practical knowledge in the field of power generation and transmission system. The workshop was organized by Electrical Engineering Department, MIT(E) Aurangabad in association with Regional Training Centre, Waluj, (MSETCL), Aurangabad over a span of 6 days from 8/10/2018 to 13/10/2018 through theory as well as practical session. The workshop was conducted by Dr. Nitin Zope (Additional Executive Engineer) MSETCL. The workshop was coordinated by Prof. Syed Imran Ali under the guidance of HOD, EE Department Dr.S.M.Badave. The following were the key highlights of the workshop:

- Introduction and Numerical Analysis of power system for fault calculations.
- Field Experience and understanding on steady state operation of power system and symmetrical faults.
- Unsymmetrical faults with fault analysis of the system.
- Practical based on over current and earth fault protection and relay protection scheme.
- Over current and Transformer Protection and Relay setting calculations.
- Demonstration and explanation on transformer basics and it's types, function and principle.
- Practical based on Transformer protection testing, Differential and Distance Protection along with its advancements.
- Basics of circuit breaker and its types, function, features and types depending upon the arc quenching medium.
- Video Demonstration of Circuit breaker functioning and fault occurrence.



# *Workshops & Seminars*

**Department of Electrical Engineering**

**One Week STTP on “Electric Power System Protection”**



# *Workshops & Seminars.....*

## **Department of Architecture**

### **Design Workshop on “Learning Art in Architecture”**

The DESIGN workshop, “**Learning Art in Architecture**” was organized by IIA, Aurangabad on **5<sup>th</sup> October 2018** at JNEC Dept of architecture on occasion of World Architecture Week celebrations for the students of all Architecture colleges in Aurangabad. The workshop was conducted by renowned architect **Ar. Shrish Sukhatme from Mumbai**.

The workshop started at 10 am after the arrival of the guest to the JNEC Campus. The workshop was attended by 43 students +10 volunteer students and two faculty members from Dept of architecture, MIT Aurangabad.

**Objective of the workshop:** The fresher’s to the course of architectural studies are actually like raw material. Generally it's an uphill task for basic design professors to bring the student on the common platform of understanding, and to make them familiar with the vocabulary of visual. The terms like visual perceptions, the role of **art in architecture**, the difference between terminology like **skills, craft, artifacts, artwork**, and work of art are hardly known to new students.

Students learn following through various excercises:

**Learning and making 2-D Compositions.**

**Expansion of space.**

**Inter locking spaces/ frames.**

The students found this workshop interactive and helpful to enhance their designing skills. The workshop helped the students to develop creativity, and to be expressive in presenting their thoughts in a more structured way. Students got a significant guidance on Art and Composition in architecture and ways to apply it to built form design.



# *Workshops & Seminars.....*

## **Department of Architecture**

### **Continued...**

The students found this workshop interactive and helpful to enhance their designing skills. The workshop helped the students to develop creativity, and to be expressive in presenting their thoughts in a more structured way. Students got a significant guidance on Art and Composition in architecture and ways to apply it to built form design.



# *Expert Talk*

## **Department of Electrical Engineering**

An Adjunct faculty lecture on EHV Lines in Transmission System was conducted by Mr. Anant Pathak, Additional Executive Engineer, MSETCL , Aurangabad Division on 05/10/2018. This session included the introduction and importance of high voltage, extra high voltage and ultra high voltage in Electrical Engineering. Various types of towers, formation wise, height wise, special tower of heights were also detailed.

Other topics of discussion included different angles of Towers used in EHV system, types of towers depending on position like dead end tower, Guide tower, width of tower, base width of tower, its formulae, different dimensions and weight of towers used in EHV system were also explained.

Visual explanation by displaying various photographs on the given topic were also presented so that students can build their own imagination on that topic. Students also actively participated and had a healthy technical discussion with the lecturer.





# Basic Automation Training

## Department of Electrical Engineering

MIT-Siemens Centre of Excellence for Automation & Mechatronics (COEAM) conducted five-days training program on 'Basic Automation (PLC S7 1200)' for different batches in the month of September and October 2018 at MIT COEAM Aurangabad. This training was conducted for final year B.E. and B. Tech Electrical Engineering students. The objective of this training program was to enhance the standard of fresh engineering students to get accepted in the industry.

This training program was conducted by Prof. V. D. Saundarmal under guidance of Dr. S. M. Badave (Head COEAM & HOD EE MIT-E) and Dr. N. G. Patil (Principal MIT-E).

The details of the training program are as follows:

Batch	Duration	No. of Participants	Location	Trainer
Batch-I	05 Days	14	MIT-Siemens COEAM, Aurangabad	Prof. V. D. Saundarmal
Batch-II	05 Days	04		



# *Student Achievement*

## **Department of Electrical Engineering**

The IEEE Power and Energy Society Humanitarian Activities Committee (PES HAC) has selected Hrishikesh Bedre, student from BE Class of EE Department as new PES HAC ambassador among various other candidates from 38 newly added countries. He has been selected from one of the IEEE unit. He will be receiving special training about humanitarian activities.



The various task allotted to the ambassador include:

- Attending PES HAC ambassador online training support.
- Promoting PES HAC in their IEEE unit.
- Initiate or get involved with PES HAC project or PES HAC event.
- Provide a standard PES HAC presentation based on online training in corresponding PES Chapter, PES student branch or IEEE unit.



# *Industrial Visits*

## Department of Basic Sciences and Humanities

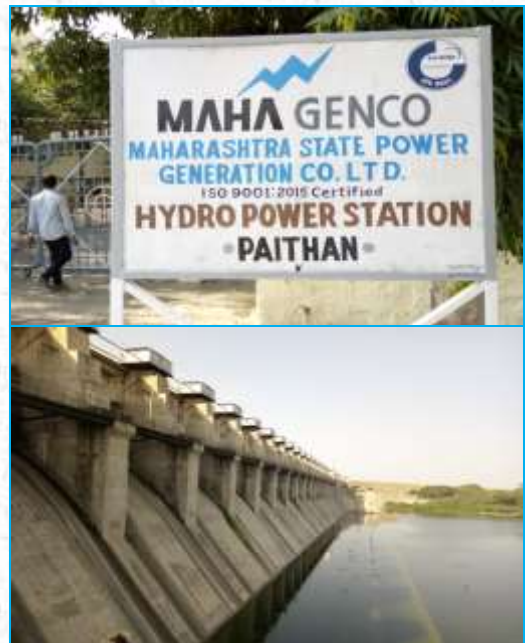
### Industrial Visit to “Hydro Power Station, Paithan.”

The present selected company “Hydro Power Station Paithan” is the only and first of its kind basically known for reversible hydro power station in the state. It is established in 1976 by auspicious hand contemporary Prime Minister Indira Gandhi. The energy generated by this plant is useful to balance unbalanced condition in demand and supply.

#### Major Objectives of the visit

- In order to learn the practical and theoretical aspect of Electrical Power Generation
- In order to have brief view of Hydro power station.
- To learn about different component of hydro power station.
- To understand and create awareness of the topic.

The visit was scheduled on 15<sup>th</sup> & 16<sup>th</sup> Oct.2018 by Department of Basic Sciences and Humanities for students of First Year B. Tech (Group-B). The major purpose of visit is to enrich the practical knowledge in Electrical Engineering and make students aware about Industrial Environment at the very first year of their engineering educational life.



# *Industrial Visits*

## **Department of Basic Sciences and Humanities**

### **Continued....**

During this visit student had learned and observed the actual process Generating Electricity from Water and various equipments such as Water reservoir, Hydro Turbine, Generator, Draft Tube etc. In interactive session, students interacted with the with Er. Pawar Madm where she answered all the questions and cleared the doubt of the students. It was an informative, interesting and a successful visit as students of First year were very happy. This visit was very useful to make students more understanding in the subject Basic Electrical & Electronics Engineering. There were 72 students along with five faculty members.





# *Industrial Visits*

## **Department of Basic Sciences and Humanities**

### **Industrial Visit to “Nath Pulp and Paper Mills Ltd., Aurangabad.”**

Nath Pulp & Paper Mills Ltd. is a large producer of eco-friendly value added papers and boards with a capacity which is in excess of 50,000 tons per annum. The company has fully integrated pulp and paper manufacturing facility at Aurangabad in Maharashtra, Producing a wide range of high quality products.

The company generates its own power from waste heat recovery. The water used in the manufacturing process is treated and reused for captive irrigation to produce flowers, fruits and vegetables. The company has been the recipient of a series of National Productivity Awards for excellence in performance, capacity utilization and energy conservation.



# *Industrial Visits*

## **Department of Basic Sciences and Humanities**

### **Continued....**

The visit was scheduled on 15<sup>th</sup> & 16<sup>th</sup> Oct.2018 by Department of Basic Sciences and Humanities for students of First Year B. Tech (Group-B). The major purpose of visit was to enrich the practical knowledge in Electrical Engineering and make students aware about Industrial Environment at the very first year of their engineering educational life.

### **Major Objectives of the visit**

- In order to learn the practical and theoretical aspect of Electrical Power Generation
- In order to have brief view of Paper production from waste as well as Co-Generation.
- To learn about different component of Thermal power station.
- To understand and create awareness of the topic.



During this visit student's had learned and observed the actual process producing paper and products from paper waste, Generation of Electricity and Steam from Coal and various equipment's. This visit was very useful to make them aware about recycling and reuse of Paper waste which will help the environment. There were 72 students along with five faculty members





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