

KDK College of Engineering

Department of Civil Engineering

Session 2019-20

Site Visit				
Sr. No.	Site Visit at	Date	Semester	no of Participants
1	Water Conservation structures at Charbha Village In Mouda District	10 th August 2019	V sem	50
2	Site visit at Airport Authority of India	25 th to 27 th Sept 2019	VII	135
3	Site Visit at Gorewada W. T. P	4 th & 5 th Oct 2019	III	130
4	Amal- Nallaha Dam W- Weir, Gadchandur, Chandrapur	28 th Dec- 2019	III Sem	50
5	Site Visit at construction site of Star Developer, Wathoda, Nagpur	16 th & 17 th January 2020	VI sem	80
6	Site Visit at site of Haldiram's at Jagnade Square, Nagpur	5 th & 6 th February 2020	VI sem	95

Site Visit Report for Water Conservation structures at Charbha Village In Mouda District



Fifth semester students of Civil Engineering Department from KDK College of Engineering made an educational visit to study the water conservation structures and management located in Charbha village in Mouda on 10th August 2019. The success story at Mouda is the outcome of joint venture of Non Government Organizations/ Corporate Social Responsibility/ People participation and the Government of Maharashtra. The work undertaken and completed till now is shown in the map. There are over 50 small watersheds in Mouda tehsil with nallah length of around 593 Kms. Because of this conservation treatment to nallah, there has been rise in ground water table, increase in surface water without undergoing any land acquisition and concrete banding which has fulfilled the water demands of farmers of the area. Effective use for the water conservation has been done of the existing structures. This water conservation has uplifted the groundwater. The water requirement of the farming is fulfilled. The entire project with the conscious approach and with people collaboration has been completed with very less cost conserving huge amount of water. Dr. Sandip Shirkhedkar has been instrumental in giving the technical support for completing the project.

Water conservation is the need of the hour. The want to conserve water arises because of the changes in the rainfall pattern and increase in the water demand. Conservation of water in the agricultural sector is essential since water is necessary for the growth of plants and crops. A depleting ground water table and a drying of nallahs, lakes and rivers has made matters serious. Various methods of water harvesting and recharging have been and are being applied all over the world to tackle the problem. The most important step in the direction of finding solutions in the issues of water conservation is to have people participation. In areas where rainfall pattern is changing and water is scarce, the local people have used simple techniques that suit to their region and reduce the demand for water.

Dr. Mrs. N. R. Dhange organized this visit and Prof. S.R. Satone, Dr. B. Singh Ruprai, Prof. Aashay Shende, Prof. C. Dhanjode and Prof. Anisha Goswami also accompanied the students. Students were motivated with the presence of Head of the Department Dr. V. Varghese and Vice-Principal Dr. A.M. Badar. Local people of the village Sundargaon and Charbha shared their achievements wherein at site Mr. Ranjit Jivtode had elaborated about the water conservation works undertaken in Mouda. The students were encouraged by the support from ex- member of Zilla Parishad Mr. TekchandjiSawarkar.

Site Visit At Nagpur Airport



Department of Civil Engineering has organized the educational site visit at “**Nagpur Airport**” on 25th, 26th & 27th Sept 2019 for final year civil engineering students of section A and B.

The purpose of site visit is to give an opportunity to the students to observe the different components of airport & its functions. During visits students understand the actual application & performance of different components of airport like Apron, radar, Taxiway etc. Student also personally visits on Runway & observes the different characteristics & quality maintained. In this visit, students also interact with experts available & get the knowledge of actual functioning of airport

The main Significance of site visit, students are able to understand,

- To actual function of units on Airport.
- Practically observe the different components of Airport
- Practical study of Runway & its design parameters

Site Visit at Gorewada Water Treatment Plant



Department of Civil Engineering has organized the educational site visit at “**Gorewada Water Treatment Plant, Nagpur**” on 4rd to 5th Oct 2019 for III sem student II year civil engineering students of section A and B.

The purpose of site visit is to give an opportunity to the students to physically observe the function of different units of water treatment plant & new technologies used in processing of Water treatments. In this visit, students also interact with experts available & get the actual working of treatment plant

The main Significance of site visit, students are able to understand,

- To actual process of units on site.
- Practically observe the actual process of different units of WTP
- Correlation between the Theoretical & practical knowledge.
- Interaction with the field experts

MANIKGARH CEMENT PLANT SITE VISIT DATED

ON 27th Dec 19



Civil Engineering Department of KDKCE had organized site visit at the industry Manikgarh Cement Plant, Gadchandur, Chandrapur district, Maharashtra dated on 27th Dec 19.

Cement manufacturing is a complex process that begins with mining and then grinding raw materials that include limestone and clay, to a fine powder, called raw meal, which is then heated to a sintering temperature as high as 1450 °C in a cement kiln.

The idea behind to organized this site visit was that students should aware about the manufacturing process to developed their skill & capability to capture the opportunities in the field of Civil & Structural Engineering.

In this site visit students understand the technical, working and management aspects of the various departments of plants like Mining department, manufacturing department, Quality department and Packing and Moving department. Visit to Limestone mine and its transportation through bucket and pipe conveyer system was spectacular.

In the visit it was observed that with the manufacturing of quality products, the safety of all the Engineers, supervisor and workers is prime importance to avoid any kind of accidents.



Site Visit at site of Star Developer, Wathoda, Nagpur



Department of Civil Engineering organized Site Visit at construction site of Star Developer, Wathoda, Nagpur on dated 16th & 17th January 2020 for section A & B. The purpose of site visit is to give an opportunity to the students to have an insight about the construction work, construction materials and the new technologies used at site.

The main Significance of site visit, students are able to understand,

- To actual working process & management at site.
- Practically observe different materials using at site.
- Correlation between the Theoretical & practical knowledge.
- Interaction with the field experts.

Site Visit at site of Haldiram's under construction project



Department of Civil Engineering organized Site Visit at site of Haldiram's under construction project located at Jagnade Square, Nagpur on dated 5th & 6th February 2020 for section A & B. The purpose of site visit is to give an opportunity to the students to have an insight about the construction work, construction materials and the new technologies used at site In this visit, students also interact with experts available & get the knowledge of actual working at site

The main Significance of site visit, students are able to understand,

- To actual working process & management at site.
- Practically observe different materials using at site.
- Correlation between the Theoretical & practical knowledge.
- Interaction with the field experts.

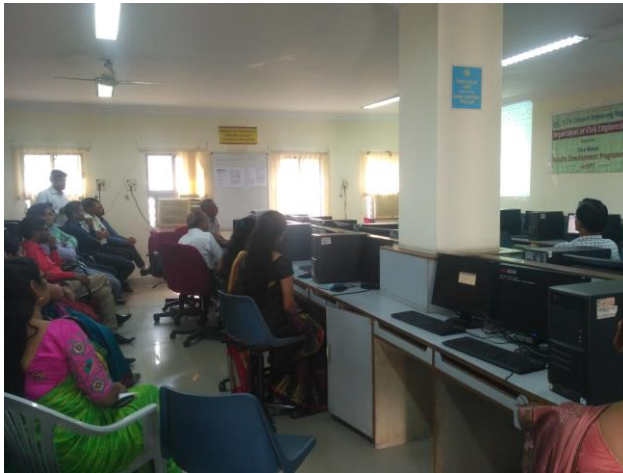
KDK College of Engineering

Department of Civil Engineering

Session 2019-20

Faculty Development Program (FDP)					
Sr. No.	Expert	Topic	Date	Semester	No. of Participants
1	Mr. Nandkumar Mahajan, Institute of Architectural Graphics	ETABS Software	8 th June to 15 th June 2019	Faculties	14
2	Mr Nandkumar Mahajan, Institute of Architectural Graphics	Building Information & Modeling (BIM)	25 th Nov to 30 th Nov 2019	Faculties	22
3	Heartfulness, Sahaj Marg Meditation	INSPIRE-Two days Faculty Training Program	6 th & 7 th Dec 2019	Faculties	22
4	Dr. V. M Madurwar, Asst. Prof, VNIT, Nagpur, Dr. S. Karungadkar, Associate Prof, VMV college, Nagpur	One week workshop on Constrution Law & Management Economics	9 th Dec to 14 th Dec 2019	Faculties	22
5	FDP-Manikgarh Cement Works (Factory)	Faculty Development Program	27 th Dec 2019	Faculties	15

KDK College of Engineering organized Faculty Development Program (FDP) on ETABS



Civil Engineering Department of KDK College of Engineering has organized One Week Faculty Development Program on ETABS from 8th June to 15th June 2019 by Mr. Nandkumar Mahajan, Director; Institute of Architectural Graphics was the expert faculty for this FDP.

On this occasion Dr. A. M. Badar, Vice Principle said that continuous up-gradation is required to the faculties to keep the space with the rapidly changing technology.

Dr. V. Varghese, Head, highlighted on the use and implantation of such software in the academics.

Expert had first introduced the ETABS software & explains benefit & opportunities after learning the software. He also explains ETABS is the 3-dimensional software which provides Analysis & design of any civil engineering structure. He also teaches Analysis & Design of building using ETABS Software. All the participants the model & analyze & design building & compare the results with theoretical calculations.

The idea behind to organized FDP on ETABS is to upgrade the knowledge & skill of faculties which would percolate in to the students for developing their skill & capability in capturing the opportunities in the field of Civil & Structural Engineering. This FDP learning enriches student projects which would be very much beneficial as far as their career aspect is concerned.

Prof.D. S. Padole was the coordinator for the program

Dr. D. P Singh, Principal, Dr. A.M. Badar, Vice-Principal, Dr. N R Dhamge, Prof. S.R Satone, Prof. P .S. Randive, Prof. M. N. Umare, Prof. V.D Vaidya, Dr. B. S. Ruprai, Prof. A.R. Nikhade, Prof. A. D. Shende, Prof. D. B. Awachat, Prof. C.S. Dhanjode, Prof. V. Marjive were get benefit of FDP

KDK College of Engineering organized Faculty Development Program (FDP) on Building Information Modeling (BIM)



Civil Engineering Department of KDK College of Engineering has organized one Week Faculty Development Program on Building Information Modeling (BIM) from 25th Nov to 30th Nov 2019 by Mr. Nandkumar Mahajan, Director; Institute of Architectural Graphics was the expert faculty for this FDP.

On this occasion Dr. Valsson Varghese, Head Civil Engineering Department said that continuous up-gradation is required to the faculties to keep the pace with the rapidly changing technology. Dr A M Badar, Vice-Principal also highlighted on the use and implantation of such software in the academics.

Expert had introduced the BIM, its concept, use of software, benefits & opportunities after learning the software, with hands on experience on various problems of Civil Engineering. BIM is the technology which provides a features rich tool set helping to drive efficient design processes in working with other construction disciplines. The idea behind to organized FDP on BIM Structure is to upgrade the knowledge & skill of faculties which would percolate in to the students for developing their skill & capability in capturing the opportunities in the field of Civil & Structural Engineering. This FDP learning enriches student projects which would be very much beneficial as far as their career aspect is concerned.

Prof. D. S. Padole was the coordinator for the program

Dr. D. P Singh, Principal, Dr. A.M. Badar, Vice-Principal, Dr. N R Dhange, Prof. S.R Satone, Prof. P .S. Randive, Prof. M. N. Umare, Prof. V.D Vaidya, Dr. B. S. Ruprai, Prof. A.R. Nikhade, Prof. A. D. Shende, Prof. D. B. Awachat, Prof. C.S. Dhanjode, Prof. V. Marjive were get benefit of FDP

KDKCE organized Two Days Faculty Training Program “INSPIRE”



Department of Civil Engineering of KDKCE in association with Heartfull Education Trust organized Two Days Teacher Training Program “INSPIRE” on 6th & 7th Dec 2019 for the faculties of KDKCE.

The idea behind to organized this training program was that the faculties of the institute should get the benefits of stress relief, improved quality life and greater concentration so that the teachers can improve and upgrade their teaching skill & knowledge and improve better teacher student relationship. This can be achieved when the teachers feel stress free and connect their heart with mind for effective delivery of the contents. Heart-fullness is about feeling the lightness and joy of our true nature and experiencing it in our hearts. When we listen to the heart and capture that comes from within, we can master our life. This exercise of integrating our heart and mind is done through meditation on heart. Heart-fullness meditation brings long lasting change in behavior and attitudes. The program was attended by more than 120 faculties.

Heart-fullness is a suit of four core practices: Relaxation, Meditation, Rejuvenation and Contemplation.

The complete training was divided in two days. Introduction Experience Heart fullness meditation, Heterogeneous learner, heart-centered education and experience heart-fullness Rejuvenation was introduced on day first while on day second Connect with self, inspired living, communication skill-facilitation skill introduction was introduced.

The training was conducted by the speakers Prof. Srikant Annavarapu, Mrs Sudha Peri, Mr. Manoj Jethwa, Mr. Navin Gujral, Mrs Puja Siddamshettiwar, Mr Ashok Kamdi, Mrs Sangita Jethwa from the center of Heart-fullness Education Trust, Nagpur.

Speaking on the occasion Dr.D.P.Singh, Principal, KDKCE encouraged the faculties to participate and make most of the event for improving the teaching learning environment.

The Feedback given by Prof. A C Tulankar on behalf of the participants suggested that such kind of events is essential and periodically conducted.

Dr A M Badar, Vice-Principal has elaborated on needs of such activities in educational fields to understand the personal and social behavior of students. The study has proved that such kind of experience has provided amazing result in building up a career.

The entire program was coordinated by Prof. Mahendra Umare

In the program Dr.A.M.Badar, Vice-Principal, KDKCE, Dr. Valsson Varghese, Head Civil Dept, Dr.SS. Ambekar Head, Elect. Dept, Dr. P.D.Khaindait, Head Electronic Dept. Dr. S P Khandait, Head CT Dept, Dr.A A Jaiswal Head IT Dept, Dr.C C Handa, Head Mechanical Dept were prominently present for the said event.

FROM THE COLLEGES
KDK College of Engineering



Faculties with guest speakers at the event 'INSPIRE'.

DEPARTMENT of Civil Engineering of KDK College of Engineering in association with Heartfull Education Trust organised two days teachers' training programme 'INSPIRE' for the faculties of the college. The complete training was divided in two days. The training was conducted by the speakers Prof Srikant Annavarapu, Sudha Peri, Manoj Jethwa, Navin Gujral, Puja Siddamshettiwar, Ashok Kamdi, Sangita Jethwa from the center of Heart-fullness Education Trust. Dr D P Singh, Principal encouraged the faculties to participate and make most of the event. Dr A M Badar, Vice-Principal elaborated on needs of such activities. The entire programme was co-ordinated by Prof Mahendra Umare. In the programme, Dr A M Badar, Vice-Principal; Dr Valsson Varghese, HoD (Civil Department); Dr S S Ambekar, Dr P D Khaindait, Dr S P Khandait, Dr A A Jaiswal, and Dr C C Handa were prominently present on the occasion.

One Week Short Term Training Program (STTP) on Construction Laws and Management Economics (CLME)



Civil Engineering Department has organized one Week Short Term Training Program (STTP) on Construction Laws and Management Economics (CLME) on dated 9th Dec to 14th Dec 2019 under the banner of CESA, ICI & IWWA Student chapter.

Dr. V. Varghese, Head, Civil engineering department had welcomed the Expert Guest with Floral Bouquet presented the guest with a Memento as a token of love & remembrance. Dr. V. Varghese has introduced about the program & speaking on the occasion Dr. Valsson Varghese said that continuous up gradation is required to the faculties to have the knowledge of construction laws and construction management.

Dr. Mangesh Mudurwar, Assistant Professor, VNIT, Nagpur and Dr Sangeeta Karngutkar. VMV College, Nagpur was the resource person for the opening ceremony of STTP. Dr. Mangesh Mudurwar highlighted on the various construction management activities and skill required to execute it on the site while Dr Sangeeta Karangutkar elaborated the financial laws relating to building construction, engineering, and related fields.

Construction law involves any legal issue related to the construction of a building or other structure. Construction management is the overall planning, coordination, and control of a project from beginning to completion. The role of the construction manager (CM) is to deliver a functionally and financially viable project, coordinated seamlessly between multiple trades.

The idea behind to organized STTP on CLME is to upgrade the knowledge about the Construction laws & skill about the construction management on site within the faculties which would percolate in to the students for developing their skill & capability in capturing the opportunities in the field of Construction Engineering..

On the occasion visit to Sitabuldi metro site was carried out and learnt about various management aspects of metros construction and implementation.

Dr A M Badar, Vice-Principal guided to the faculties to have the knowledge of latest construction technology and methodology for proper construction planning.

Dr.N R Dhamge was the coordinator for the program

Dr. D. P Singh, Principal, Dr. A.M. Badar, Vice-Principal, Departmental faculties Prof. S. R Satone, Prof. P. S. Randive, Prof. M. N. Umare, Prof. V. D Vaidya, Dr. B. S. Ruprai, Prof. D S Padole Prof. A. R. Nikhade, Prof. A. D. Shende, Prof. D. B. Awachat, Prof C.S. Dhanjode, Prof. V. Marjive had participated in the STTP.

Faculties from other colleges like YCCE, Anjuman College of Engineering, Pridarshani J L college of Engineering had participated in the STTP



KDK में शार्ट टर्म ट्रेनिंग प्रोग्राम

नागपूर. केडीके कॉलेज ऑफ इंजीनियरिंग की ओर से एक सप्ताह का शार्ट टर्म ट्रेनिंग प्रोग्राम (एसटीटीपी) कार्यक्रम का आयोजन किया गया, जिसमें कंस्ट्रक्शन लॉ एवं प्रबंधन आदि पर विस्तार से चर्चा की गई. बिल्डिंग निर्माण से जुड़े विभिन्न पहलुओं पर विचार-विमर्श किया गया. किस प्रकार से प्लानिंग, समन्वय, नियंत्रण किया जाता है, इसके बारे में भी जानकारी दी गई.

मंगेश मुदुरवार, संगीता कर्णगुटकर ने सभी का मार्गदर्शन किया. विभाग प्रमुख वाल्सन वर्गीस ने कहा कि इस प्रकार के आयोजन से सभी अपग्रेड रहते हैं और नए कानून की जानकारी भी मिलती रहती है. इस दौरान सीताबर्डी मेट्रो स्टेशन का दौरा भी किया गया. ए.एम. बदर, एन.आर. धामगे, डी.पी. सिंह, एस.आर. सतोंने, पी.एस. रणदिवे, एम.एन. उमरे उपस्थित थे.

नव राष्ट्र

केडीकेतर्फ शॉर्ट टर्म ट्रेनिंग प्रोग्राम

नागपूर. केडीके कॉलेज ऑफ इंजीनियरिंगच्यावतीने एका आठवड्याच्या शॉर्ट टर्म ट्रेनिंग प्रोग्राम (एसटीटीपी) चे आयोजन नुकतेच करण्यात आले. यात कंस्ट्रक्शन लॉ व व्यवस्थापन आदींवर विस्तृतपणे चर्चा करण्यात आली. इमारत बांधकामाशी जुळलेल्या विविध पैलूंचेर विचार-विनीमय करण्यात आला. कशाप्रकारे प्लानिंग, समन्वय, नियंत्रण केल्या जाते. यासंदर्भातही माहिती देण्यात आली.

यावेळी मंगेश मुदुरवार, संगीता कर्णगुटकर यांनी सर्वांना मार्गदर्शन केले. विभाग प्रमुख वाल्सन वर्गीस यांनी सांगितले की, याप्रकारच्या आयोजनाने सर्व अपग्रेड राहतात आणि नवीन कायद्यांची माहितीही मिळत असते. यादरम्यान सीताबर्डी मेट्रो स्टेशनचा दौराही करण्यात आला. याप्रसंगी ए.एम. बदर, एन.आर. धामगे, डी.पी. सिंह, एस.आर. सतोंने, पी.एस. रणदिवे, एम.एन. उमरे उपस्थित होते.

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KDKCE organized Two Days Faculty Development Program at Manikgarh Cement Plant, Gadchandur, Chandrapur District



Civil Engineering Department of KDKCE had organized Two Days Faculty Development Program (FDP) at the industry Manikgarh Cement Plant, Gadchandur, District Chandrapur, Maharashtra on dated 27th & 28th December 2019

Cement manufacturing is a complex process that begins with mining and then grinding raw materials that include limestone and clay, to a fine powder, called raw meal, which is then heated to a sintering temperature as high as 1450 °C in a cement kiln.

In this FDP faculties visited and understand the technical, working and management aspects of the various departments of plants like Mining department, manufacturing department, Quality department and Packing and Moving department. Visit to Limestone mine and its transportation through bucket and pipe conveyer system was spectacular.

In the visit it was observed that with the manufacturing of quality products, the safety of all the Engineers, supervisor and workers is prime importance to avoid any kind of accidents.

The idea behind to organized this FDP was that faculties should aware about the manufacturing process and same percolate to the students to developed their skill & capability to capture the opportunities in the field of Civil & Structural Engineering.

Prof. Pallavi Randive was the coordinator of the FDP. Er. Uadaysingh Bisen, General Manager, Birla Gold cement had taken effort to make this event successful.

Dr. A.M. Badar, Vice-Principal, Dr. Valsson Varghese, Head, Civil EnggDept, Prof.P. S. Randive, Dr. B. S. Ruprai, Prof. A. R. Nikhade, Prof. . D. Shende ,Prof. D. B .Awachat, Prof.f C.S. Dhanjode, Prof. Surbhi Ambarkhane, Prof. Pranali Nikure, Prof. Rangoli Jivankar, Prof.G. Sudharam had participated in the FD