



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

NOTICE

All the faculty members are informed that a FDP on current status, “Effective online Teaching and New challenges in Technical Education due to Pandemic Situation” will be held on 15.12.2020 to 30.12.2020 at from 10:00 A.M to onwards (Venue: Seminar Hall (NB-31)

All the faculty members are requested to attend the session.

Convener (IQAC)
(Dr. Gautam Singh)

Dated: 10.12.2020



Induction Program

on

“Effective online Teaching and New challenges in Technical Education due to Pandemic Situation”

From

15th December 2020 to 30th December 2020



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RAJASTHAN, INDIA

www.piet.poornima.org

Introduction

The present scenarios of covid-19 has put forward various challenges in front of our teaching fraternity but on the other hand given us motivation as well as enthusiasm to upgrade our teaching pedagogies in order to cater to online teaching learning needs. This training program was aimed at helping our teaching fraternity for adapting to various technologies required for effective online teaching learning in a smooth manner. This event brought together distinguished speakers and faculties from institute. The training Program included plenary lectures, contributed hand-on practice on various online teaching tools and developing attractive online e-content which is the need of the hour. This event provided an excellent forum to discover the cutting-edge directions of recent trends in E-Content development and also enable teachers to develop and propose MOOC courses with recognized educational bodies, which is essential part of career advancement of teachers in Universities across India.

Learning Outcomes of the Programme

1. How to effective use of various Online Teaching and Assessment tools.
2. Effective usage of Google services for content dissemination.
3. Effective uses of MS Teams for online class conduction
4. LMS (Learning Management System)
5. Online Examination conduction and Evaluation
6. Online tools for conducting engineering experiments.
7. Online management tools.
8. Evaluation of Assignments and internal Assessment
9. Learning online content preparation and dissemination tools.
10. Opt. effective pedagogy
11. Improve quality of technical education.

Object for Blended Learning

As teachers, Blended learning is a new term and need of the hour. Its challenging yet has given us opportunity to make ours elf better than yesterday and future ready. Defining hybrid or blended education is a trickier task than one might think—opinions vary wildly on the matter. In a report on the merits and potential of blended education, the Sloan Consortium defined hybrid courses as those that “integrate online with traditional face- to-face class activities in a planned, pedagogically valuable manner.”

Through these 15 days training sessions, we left no stone unturned to introduce you all to new techniques which should be incorporated in our class room teaching so as to move towards blended teaching-learning, where both the stakeholders that is teacher as well as students are accountable and not only teachers. The blended mode empower everyone and make teaching learning a shared responsibility among teachers as well as students.

With this motive, the Training program started with total 48 participants, 15 days of intense training activities and assessments. We had resource persons who were renowned experts in this area.

Inaugural Session

Date & Time: 1st December, 2020 Tuesday & 9:30 am - 10:00 am

Coordinator: Dr. Ritu Soryan & Mr. Deepak Moud

Short description about event:

The Faculty Development Programme on “**Effective online Teaching and New challenges in Technical Education due to Pandemic Situation**” was inaugurated on December 15, 2020 organized by Poornima Institute of Engineering and Technology. The event was commenced by the welcome note by the Director/Principal, Dr. Dinesh Goyal He motivated all the participants with her words of wisdom. After her speech, the Convenor of the event Dr. Gautam Singh who is also Convenor of IQAC of the Poornima Institute of Engineering and Technology welcomed the participants. The attendees were briefed about the guidelines to be followed during the fifteen days Training program.

Day 1

Topic name: **Competencies of Teacher in Online Teaching**

Keynote Speaker: Dr. Pran Nath Dadhich (HoD Civil engineering Department)

Date & Time: 15th December, 2020 Tuesday & 10:00 am - onwards

Coordinator:
Dr. Aisha Rafi

Short description about event:

Dr. Pran Nath Dadhich is the first keynote speaker of the Training Program. He is working as the HoD Civil engineering Department person started the session with the note that Technology is a tool to help the teaching fraternity and Technology cannot replace the teacher. He emphasized the importance of the Learner centric Learning environment in the Information age, especially in the corona pandemic period and how it differs from Centralized centric learning. The difference between traditional classroom and flipped classroom was well explained. The step by step process of creating a flipped classroom using four quadrant Instructional design of MOOCs namely e-Tutorial, e-Content, Assignment, Discussion Forum was discussed in detail. The competencies of online classroom can be achieved by hands-on exposure to e-Resources, computer hardware and managing the software. The ICT initiatives such as NPTEL were well elucidated. The queries in the Q&A section were taken by the resource person and the corresponding answers were given immediately. It was a very interactive session.

Day-2

Topic name: Effective usage of Google services for content dissemination.

Keynote Speaker: Mr. Deepak Moud (HoD Computer Engineering Department)

Date & Time: 16th December, 2020 Wednesday & 10:00 am – Onwards Coordinator:

Ms. Nandini Sharma

Short description about event:

The events started at sharp 10 am. Mr. Deepak Moud was the resource person for this session. The speaker explained the services provided by Google such as Google Classroom, Google Drive, Google form, Google slide, Google website, Google docs and Google spreadsheets etc. one by one. Each and every topic was explained in detail not only theoretically but practical hands-on sessions were also conducted for each application. Many features of these services like voice typing, word cloud website creation with many tabs and many more were discussed by the resource person, which are useful in daily life and are of great importance as an instructor, researcher and knowledge seekers. The session was highly informative, engaging and interesting. The participants learned with enjoyment. The chat box full of compliments and praises evident the event. Participants were very happy after learning that they can create their own website just by following some simple steps. Each and every question asked by participants was answered immediately and very calmly. Approximately 50 participants had attended the session. It was a very lively session. Some small activities were also assigned at the end of the session to the participants for fun and for giving them better hands-on practice. It was a very fruitful session.

Day -3

Topic name: Effective uses of MS Teams for online class conduction

Keynote Speaker: Dr. Rekha Jain

Date & Time: 17th December, 2020 Thursday & 10:00 am – Onwards

Coordinator: Mr. Abhishek Dadhich

Short description about event:

Dr. Rekha Jain was the keynote speaker of the 17th December, 2020 of training program. He is working as Professor in the Department of Computer Engineering of PIET and has conducted various workshops on MS Teams and Moodle. The resource person explained how to manage e-content with the students belonging to the same class through MS Teams. The step by step process of creating a MS Teams and adding the students to the MS Teams by sharing the class code was well explained. The class setting was discussed in detail by the speaker. Many features of the MS Teams were described elaborately. The different types of classworks in MS Teams namely Assignment, Question, Material were illustrated. The query in the Q&A section such as the maximum number of students allowed in the MS Teams was taken by the resource person and the answers were given immediately. It was a very lively session.

Day-4

Topic:

Learning Management System

Keynote Speaker:

Mr. Manish Bharadwaj (Computer Engineering Department)

Date & Time: 18th December, 2020 Friday & 10: am to Onwards

Coordinator: Mr. Arshad Ali

Short description about event:

Mr. Manish Bharadwaj was the keynote speaker of the 18th December, 2020 of training program. He is working as Assistant Professor in the Department of Computer Engineering of PIET and has conducted various workshops on LMS. The resource person explained how to the Covid19 pandemic has brought all educators on one common agreement and that is face-2-face teaching has to be supplemented with online teaching-learning. Teachers have started taking online sessions to complete syllabus and in doing so have probably just replicated classroom teaching in the online teaching and this is what we should not be doing. A learning management system (LMS) is a software program that allows the administration of instructional materials through various educational activities, the tracking and reporting of student information, and the ability to facilitate and distribute communication. For educators, an LMS serves as a centralized place where they can post their learning resources and communicate with both parents and students. Online teaching pedagogy is to be understood and teachers should be well-trained in this area. It was a much benefitted session.

Day-5

Topic: Online Examination conduction and Evaluation

Keynote Speaker: Ms. Pooja Sharma (Computer Engineering Department)

Date & Time: 19th December, 2020 Saturday & 10: am to Onwards

Coordinator: Mr. Ashok Kumar

Short description about event:

Ms. Pooja Sharma was the keynote speaker of the 19th December, 2020 of training program. She is working as Assistant Professor in the Department of Computer Engineering of PIET and has conducted various workshops on Examination Policies. The resource person explained how to conduct online examination. She was also explained, what is role of ICT tools to conduct examination and their evaluation with quality measures. The session was very interactive and valuable.

Day-7

Topic: Online tools for conducting engineering experiments.

Keynote Speaker: Dr. Mukesh Chandra (First Year department)

Date & Time: 21st December, 2020 Monday & 10: am to Onwards

Coordinator: Mr. Nitin Mukesh Mathur

Dr. Mukesh Chandra was the keynote speaker of the 21st December, 2020 of training program. He is working as Associate Professor in the Department of first year of PIET and explained about the perform online engineering experiments with the help of LMS on virtual lab provided by IITs, Amrita university etc. The resource person explained how to conduct online Practical examination and evaluation. He was also explained,

what is role of ICT tools to conduct perform examination of experiments and their evaluation with quality measures. The session was very interactive and valuable.

Day-8

Topic: Online Evaluation of Assignments and internal Assessment

Keynote Speaker: Dr. Sama Jain (HoD First Year Department)

Date & Time: 22st December, 2020 Tuesday & 10: am to Onwards

Coordinator: Mr. Nitin Mukesh Mathur

Dr. Sama Jain was the keynote speaker of the 22st December, 2020 of training program. She is working as Associate Professor in the Department of first year of PIET and explained about assignments and their evaluation on MS Teams and Google class rooms. She explained how to conduct online class test, Quiz and viva voce on MS. Teams. Due to Covid-19 it is very big challenge to evaluate student's performance at online platform. She also explained use of ICT tools for assignment and internal assessment. The session was very interactive and valuable.

Day-9

Topic: Learning online content preparation and dissemination tools.

Keynote Speaker: Dr. Rekha Jain (Computer Engineering Department)

Date & Time: 23st December, 2020 Wednesday & 10: am to Onwards

Coordinator: Mr. Amit Gupta

The speaker Dr. Reskha Jain explained in detail, how assignments and assessments of students can be managed well through Google classroom. Stepby step , he explained that, how assignments can be created in MS Teams, and Google Classroom. The distinct features available for creating assignments such as multi criterion rubric was discussed. The newsites were discussed to create different types of internal assessments such as quizizz.com for creating different types of quiz . The steps for creating google form for different types of questionswas discussed in detail. Participants were also very keen to know, so they bombarded the speakerwith series of questions, which he answered very calmly and patiently.

Day-10

Topic name: Opt. effective pedagogy

Keynote Speaker: Dr. Pooja Gupta

Date & Time: 24th December, 2020 Thursday & 10:00 am – Onwards

Coordinator: Mr. Saurabh Agrawal

Short description about event:

Dr. Pooja Gupta is the keynote speaker of this session. She is working as Professorin the Department of Civil Engineering PIET and has conducted various workshops on teaching using IT tools. He discussed the two ways of screen recording with a laptop using Studio software. The step by step process of creating a customized E-content and managing live teaching classroom in YouTube and Google drive was discussed in detail. The queries in the Q&A section were taken by the resource person and the corresponding answers were given

immediately. It was a very interactive session.

Day -11

Topic name: **White board teaching Tools**
Keynote Speaker: Dr. Ritu Soryan
Date & Time: 25th December, 2020 Friday & 10:00 am – Onwards
Coordinator: Dr. Aisha Rafi
Short description of the event:

This session of the 11th day was continued by the same resource person, Dr. Ritu Soryan, who had taken the session of this day. After making the participants acquainted with video editing and channel maintenance, he added the flavor of routine whiteboard teaching through ICTenabled learning. The resource person started the session with the introduction of various types of pen tablet available in the market that can be useful for flipped classroom. She had given a demonstration of online lecture using pen tablet and laptop. He explained in detail, how using the device “pen tab” online teaching could be as simple as conventional whiteboard teaching. She explained how by using white board, during online class teaching can be made more effective. Participants registered their enjoyment by asking too many queries. It was very interactive session.

Day 12

Topic name: **Live Streaming Tools**
Keynote Speaker: Dr . Deepak Moud (HoD Computer Department)
Date & Time: 26th December, 2020 Saturday & 10:00 am – Onwards **Coordinator:** Mr. Abhishek Dadhich
Short description about event:

Mr. Deepak Moud was the keynote speaker of the 12th day of the Training session. The resource person started the session with the introduction of various types of live streaming equipment available in the market that can be useful for flipped classrooms. He elaborated the specification of YouTube live, Facebook live, Periscope and LinkedIn live. The step by step process of creating a personalized live stream and publishing live stream using Studio tool was discussed in detail. The queries in the Q&A section were taken by the resource person and the corresponding answers were given immediately. It was a very live session.

Day -13

Topic name: **Develop E-content using free open source software (ICT tool and technique)**
Keynote Speaker: Mr. Manish Bharadwaj
Date & Time: 28th December, 2020 Monday & 10:00 am – Onwards
Coordinator: Ms. Mamta Sakpal
Short description about event:

This session of this day were very important and most awaited, as the audience were going to fill up the gaps

of knowledge through these two sessions. The session of the day started at sharp 10.00 a.m. Mr. Manish Bharadwaj the resourceperson explained different ways of developing E-content using ICT tools. The most important feature of this talk was that, he discussed only open source software. He explained the participants that how with the help of authentic and freely available software, a good quality e content can be created. During his lecture, he discussed recording, podcasting, screen recording, video editing and many other freely available techniques. Simultaneously a lively question and answer session was also managed by him. The environment was so much interactive and lively that no one has felt that this session is happening on virtual platform.

Day 14

Topic name: Identify and use MOOC and content delivery platforms

Keynote Speaker: Mr Sandeep Tuli

Date & Time: 29th December, 2020 Tuesday & 10:00am- Onwards

Coordinator: Ms. Alka Rani

Short description about event:

The last technical session of the last day was fun filled and was based on identifying and using MOOC and knowledge about the freely available platform for delivery of developed content. During this session every part of e-content development starting from issue of plagiarism to internet security to save your content from being misused, everything was discussed in complete detail. Enthusiasm and involvement of participants was appreciable.

Day15

Assessment, Valedictory Session and Certificate Distribution

Date & Time: 15th December, 2020 Monday & 12:00 noon - 1:00 pm

Coordinator: Dr. Ritu Soryan and Ms. Pooja Sharma

Short description about event:

The event ended with last day which was focused on Assessment and Interactions. Assessment was held through google form, feedbacks form was floated. Many participants volunteered and spoke about their takeaways from training Program. Director/ Principal PIET congratulated all the participants for completing 15 Days faculty Training Program. Convenor , Dr. Gautam Singh deliver thanks for organizing teams for a well-organized training program. Convenor thanked participants for their active participation. The event ended successfully.



E-Certificate for Participation

This is to certify that Mr. Saurabh Agarwal from Poornima Institute of Engineering & Technology has participated and successfully completed two week faculty development program

on

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during 15-30 December , 2020 organized by Poornima Institute of Engineering & Technology Jaipur .

Dr Gautam Singh
Convenor IQAC

Dr Dinesh Goyal
Director & Principal



E-Certificate for Participation

This is to certify that Mr. Pawan Patidar from Poornima Institute of Engineering & Technology has participated and successfully completed two week faculty development program

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Dr Gautam Singh
Convenor IQAC

Dr Dinesh Goyal
Director & Principal



E-Certificate for Participation

This is to certify that Mr. Nitin Mukesh Mathur from Poornima Institute of Engineering & Technology has participated and successfully completed two week faculty development program

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Dr Gautam Singh
Convenor IQAC

Dr Dinesh Goyal
Director & Principal



E-Certificate for Participation

This is to certify that Ms. Aisha Rafi from Poornima Institute of Engineering & Technology has participated and successfully completed two week faculty development program

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A handwritten signature in black ink, appearing to read 'G. Singh'.

Dr Gautam Singh
Convenor IQAC

A handwritten signature in black ink, appearing to read 'D. Goyal'.

Dr Dinesh Goyal
Director & Principal