

DEPARTMENT OF SCIENCE & HUMANITIES

FDP REPORT

Topic: NEW TRENDS IN TEACHING ENGLISH FOR ENGINEERING STUDENTS

Conducted By: Sankrithi School of Business, New Delhi

Attended Staff: Mr. S. Sunderjohn Thinakaran, Mr. R. Paulkumar

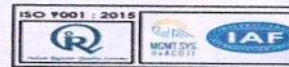
The faculty development program on the topic of New Trends in Teaching English for Engineering Students conducted by Sankrithi School of Business, New Delhi on 23.01.2023 to 27.01.2023. It was very useful to know about Methods and approaches to teaching English have developed rapidly, especially in the previous four decades. It is important that language learners and training managers, as well as teachers, understand the various teaching methods and techniques so learners are able to navigate the market, make educated choices, and boost their enjoyment of learning a language. Each teaching method is based on a particular vision of understanding the language or of learning processes, often using specific techniques and materials used in a set sequence. Language teachers adopted and followed some or all of the different methodologies listed below to teach the language. The main teaching methodologies are listed below in the chronological order of their development. Now days, using technology for language learning has become a part of our day-to-day life. It plays a vital role in the process of teaching and learning. It can be used to learn a foreign language like English .English and computers have seemed to go together. Computers and the programs, which make them useful, were largely the invention of English-speaking countries.

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DEPARTMENT OF SCIENCE & HUMANITIES

FDP REPORT

Topic: PEDAGOGY

Conducted By: MANIPUR TECHNICAL UNIVERSITY

Attended Staff: Ms. V. Ramasubbu, Ms. I. Subashini, Ms. S. Smetlin, Ms. R. Rathi

The faculty development program on the topic of Science conducted by Manipur Technical University on 26.03.2019 to 30.03.2019. It was very useful to know about Pedagogy is an integrated humanistic and social science which investigates regularities of combined and unique, focused on the content of learning inter- actions, communication and mutual relations that occur in this process and constitute a specific research object. This is an innovative pedagogy approach in education where students are present in the process of gaining and understanding knowledge. When students are involved in the academic curriculum creation process, they can receive information faster.


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DEPARTMENT OF SCIENCE AND HUMANITIES

FDP REPORT

Topic: Recent advancements in science and Technology

Conducted By: ALLIANCE UNIVERSITY, Bengaluru.

Attended Staff: Mrs.T.Muthulakshmi, Ms.T.Bharathi , Mrs.S.Malarkodi , Mrs. A.Arul Jeniba

The faculty development program on the topic of Recent advancements in science and Technology conducted by from 06 -03 -2023 to 10-03-2023.The program broadly focus on enhancing functional area expertise,, improving ones classroom performance in the trending topics of science and technology, and enriching the ability for conducting meaningful research. The FDP centralized on the latest technology in the interface of Engineering, Chemistry, Physics.

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DEPARTMENT OF SCIENCE AND HUMANITIES

FDP REPORT

Topic: Education : SOFT SKILLS

Conducted By: SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

.Attended Staff: Dr.S.Nagarajan , Ms.T.Bharathi , Mr. A. Paul Kumar, Mrs. S. Girija, C. L. Shiny, Ms. R. Rathi, G. Jebastephen, Mrs. T. Muthulakshmi

The faculty development program on the topic of Education : soft skills conducted by SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY from 21-02-2022 to 25-02-2022 .The program broadly focus on enhancing functional area expertise, improving ones classroom performance in the trending topics of soft skills and enriching the ability for conducting meaningful research. The FDP centralized on the latest technology in the interface of Engineering, Chemistry, Physics.

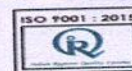
S. Thiruvengadam

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DEPARTMENT OF SCIENCE AND HUMANITIES

FDP REPORT

Topic: ADVANCED MATERIALS AND PROCESS FOR NEXT GENERATION
NANOELECTRONICS DEVICES

Conducted By: SRM Institute of Science & Technology

Attended Staff: MrsMs. B. Dhivya

The faculty development program on the topic of Recent Advanced Materials And Process for Next Generation Nanoelectronics Devices conducted by from 27 -07 -2022 to 04-08-2022. The program broadly focus on *Nanoelectronics for Next-generation Integrated Circuits* is a useful reference guide for researchers, engineers, and advanced students working on the frontier of the design and modeling of nanoelectronic devices and their integration aspects with future CMOS circuits. This comprehensive volume eloquently presents the design methodologies for spintronics memories, quantum-dot cellular automata, and post-CMOS FETs, including applications in emerging integrated circuit technologies.

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FDP REPORT

Topic: Education : RECENT ADVANCES IN CHEMISTRY

Conducted By: SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

.Attended Staff: Dr.S.Nagarajan , Ms.T.Bharathi , Mrs.T.muthulakshmi , Mr.G.Jebastephen

The faculty development program on the topic of Recent advances in chemistry conducted by VELLORE INSTITUTE OF TECHNOLOGY from 30-03-2022 to 03-04-2022 .The purpose of this faculty development program is to provide information and knowledge on recent research advances and scopes in diverse fields of chemistry research. Eminent dignitaries from various prestigious organizations such as IITs, TIFR, and renowned industries (national and international) will deliver lectures and demonstrated some practical aspects of multiple commonly used instruments and software. Demonstration of analytical techniques including NMR, Powder XRD, single crystal XRD, molecular modeling, docking studies are some key points participants will be listening on.

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FDP REPORT

Topic: DATA SCIENCE USING R

Conducted By: Indian Statistical Institute, Bangalore

Attended Staff: Dr. M. Devarajan, Ms. R. Evangeline

The faculty development program on the topic of Data Science using R conducted by Indian Statistical Institute, Bangalore from 27.04.2022 to 28.05.2022. It was very useful to know about open-source programming language that is widely used as a statistical software and data analysis tool. R is an important tool for Data Science. It is highly popular and is the first choice of many statisticians and data scientists. Industries transform raw data into furnished data products. In order to do so, it requires several important tools to churn the raw data. R is one of the programming languages that provide an intensive environment for you to research, process, transform, and visualize information.

S. Thirumangalakudi

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FDP REPORT

Topic: RESEARCH PUBLICATION AND PATENT IN HUMANITIES AND SCIENCES

Conducted By: SRM Institute of Science & Technology, Chennai.

Attended Staff: Dr. S. Savithri Subramanian, Mr. S. Sunderjohn Thinakaran

The faculty development program on the topic of Research Publication And Patent In Humanities and Sciences conducted by SRM Institute of Science & Technology, Chennai on 22.08.2022 to 30.08.2022. It was very useful to know about the deal of patents is you get exclusivity in exchange of detailed public disclosure of the invention, which become free to be exploited after a certain period of time Research paper on the other hand, aim to disclose a finding regardless of any application. A patent publication is a published utility patent application which is not the same thing as a patent. While a published patent application may eventually issue into a patent, the patent publication consists of only the application itself, namely, the drawings and written specification. Conducting a patent search can save you time and from investing unnecessary money into your invention by learning if it already exists or not. After a thorough patent search, you'll be able to determine if your patent will infringe on the rights of other patents or can invalidate a competing patent.

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DEPARTMENT OF SCIENCE AND HUMANITIES

FDP REPORT

Topic: Chemistry-The catalyst for change

Conducted By: RAMANUJAN COLLEGE, COMBIATORE

.Attended Staff: Dr.S.Nagarajan , Ms.T.Bharathi , Mr.G.Jebastephen

The faculty development program on the topic of Chemistry-The catalyst for change conducted by RAMANUJAN COLLEGE from 14-07-2021 to 28-07-2021 .The purpose of this faculty development program is to provide information and knowledge on recent catalyst and scopes in diverse fields of chemistry research. The FDP was organised to acquaint the participants with the latest trends and breakthroughs in the field and its practical, theoretical and application- based teaching and learning techniques. As a discipline of research, chemical science is the central science and is required for practically all scientific research. It is concerned with the understanding and practice of changing one substance into another. Chemists enjoy discovering both naturally occurring and manmade chemical substances with the goal of improving human life.

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FDP REPORT

Topic: SCIENCE PEDAGOGY

Conducted By: DWARAKA DOSS GOVERDHAN DOS VAISHNAV COLLEGE

Attended Staff: Ms. R. Rathi, Ms. M. Murugashobana Rani

The faculty development program on the topic of Science Pedagogy conducted by Dwaraka Doss Goverdhan Dos Vaishnav College on 09.08.2021 to 16.08.2021. It was very useful to know about Pedagogy is an integrated humanistic and social science which investigates regularities of combined and unique, focused on the content of learning inter- actions, communication and mutual relations that occur in this process and constitute a specific research object. This is an innovative pedagogy approach in education where students are present in the process of gaining and understanding knowledge. When students are involved in the academic curriculum creation process, they can receive information faster.

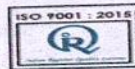
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Topic: RESEARCH QUALITY, TEACHING LEARNING & EVALUTION

Conducted By: Government Motilal Vigyan Maha vidyalaya, Bhopal

Attended Staff: Mr. S. Sunderjohn Thinakaran, Mr. R. Paulkumar

The faculty development program on the topic of Research Quality, Teaching Learning & Evaluation conducted by Government Motilal Vigyan Maha vidyalaya, Bhopal on 10.03.2021 to 16.03.2021. It was very useful to know about Some qualities of a good teacher include skills in communication, listening, collaboration, adaptability, empathy and patience. Other characteristics of effective teaching include an engaging classroom presence, value in real-world learning, exchange of best practices and a lifelong love of learning. Quality in teaching and learning can be seen in the way the knowledge, skills and ability of the teacher are employed to develop meaningful pedagogic experiences for students. Such experiences are evident when teaching impacts learning and learning influences teaching.

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FDP REPORT

Topic: MATHEMATICS ON VARIOUS PLATFORM

Conducted By: Bharat Institute of Engineering & Technology, New Delhi

Attended Staff: Ms. S. Sahaya Anisha, Ms. S. Jilu

The faculty development program on the topic of Mathematics on Various platform conducted by Bharat Institute of Engineering & Technology, New Delhi from 17.06.2021 to 22.06.2021. It was very useful to know about focuses on extending the mathematical skills and knowledge of students in both familiar and new contexts. Some of these contexts include financial modelling, matrices, network analysis, route and project planning, decision making, and discrete growth and decay. In business, mathematical expertise can be used to calculate financial ratios and statements, to analyse data, and to make predict future financial trends.

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FDP REPORT

Topic: APPLICATIONS OF MATHEMATICS IN ENGINEERING

Conducted By: KPR Institute of Engineering & Technology, Coimbatore

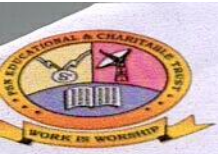
Attended Staff: Mrs. A. Jeevidha, Mrs. S. Girija

The faculty development program on the topic of Applications Of Mathematics In Engineering conducted by KPR Institute of Engineering & Technology, Coimbatore on 20.07.2020 to 25.07.2020. It was very useful to know about the Mechanical engineers often use math and physics formulas to determine the amount of energy and force produced by a machine. In addition, they also sometimes use algebra for designing suspension systems and algorithms, among others. Math is used extensively in computing. Engineers are problem solvers, and math is an essential tool for problem-solving. Math helps students develop critical thinking skills and teaches them how to analyze and solve problems systematically. Engineers use mathematical concepts to create models, analyze data, and make predictions.

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DEPARTMENT OF SCIENCE AND HUMANITIES

FDP REPORT

Topic: APPLICATION OF GIS IN CHEMISTRY

Conducted By: PSGR Krishnammal College for women

Attended Staff: Mr. B. Giftson Boaz, Mr. T. Jebastephen

The faculty development program on the topic of APPLICATION OF GIS IN CHEMISTRY conducted by from 14 -02 -2020 to 15-02-2020. The program broadly focus on GIS technology can be used for scientific investigations, resource management, and development planning. Many retail businesses use GIS to help them determine where to locate a new store. Marketing companies use GIS to decide to whom to market stores and restaurants, and where that marketing should be. GIS makes it easy to monitor the environment using satellite images. Satellite images help monitor the natural resources, soil, and habitat of different species. Map making ability of GIS by integrating database operations such as query and statistical analysis with the visualization and geographic analysis makes it a powerful tool to explain events, predicting possible outcomes and planning abatement strategies.

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