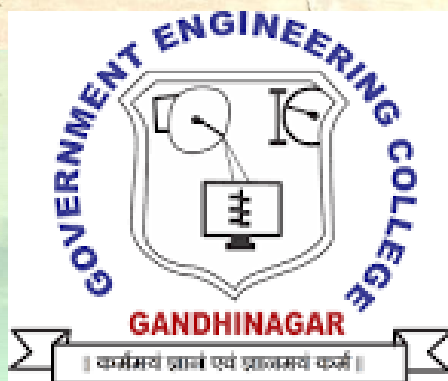


GENTECH²²



GENERAL DEPARTMENT NEWSLETTER-22/2(JULY TO DECEMBER-2022)



GOVERNMENT ENGINEERING COLLEGE, SECTOR-28, GANDHINAGAR

NEWSLETTER-22/2

(JULY TO DECEMBER-2022)

Message from HOD 3

Highlights of this edition

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Message from HOD

We are happy to publish one more issue of the newsletter of the General Department, Government Engineering College, Gandhinagar. It is an attempt to share the departmental activities, academic contributions and achievements of the faculty members.

All the faculty members of Department are geared up and have been organizing departmental activities and also encourage the new students for participating in those events for their growth and development. They are determined to contribute their share in nation-building through research and academic endeavors.

The present issue of the newsletter features such accomplishments of the faculty members. We strive to continue doing the work that contributes in the making of the next-generation engineers.

I congratulate the faculty members of the department and the editorial team for their efforts.




Prof. Suresh R. Sharda

Head- General Department

Faculty Achievement-“Ph.D awarded”

Prof. Sunilkumar Agrawal has been awarded the degree of Doctor of Philosophy (Ph.D) in Electrical Engineering from SVNIT, Surat in September 2022.

 सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्था, सुरत
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
(An Institute of National Importance, Established under NITIER Act by Ministry of Education, Govt. of India)

No.Acad/Ph.D./752/2022 - 23 Date:13/09/2022

PH.D. NOTIFICATION NO. 752

Ref: As per Ph.D. Viva-Voce Examination report of Chairman dtd:02/09/2022

It is hereby notified that on recommendation of the Board of Examiners appointed to adjudicate on the Thesis entitled "A Novel Methodology for Optimal Placement of VSC-HVDC Converter with Techno-Economic Optimization using UOPF Modelling" submitted by AGRAWAL SUNIL KUMAR (DS14EL003) of Department of Electrical Engineering is received. The Director is pleased to accept the reports of the Board of Examiners and declare him eligible for the award of degree of Doctor of Philosophy (Ph.D.) in the Subject/Faculty/Department shown against his name as here under:

Name of the Candidate	AGRAWAL SUNIL KUMAR
Faculty	ENGINEERING
Subject	ELECTRICAL
Name of the Supervisor(s)	DR. PRASANTA KUNDU

Accepted
13/9
I/C. DY. REGISTRAR (ACAD)

C.C. to:
1. Concerned Candidate : AGRAWAL SUNIL KUMAR
2. Concerned Department: Department of Electrical Engineering
3. Concerned Supervisor(s): DR. PRASANTA KUNDU, DoEE, SVNIT, Surat

Celebrating Diamond Jubilee Year during 2020-21
KCHCHHANATHI, SURAT-395 007 (GUJARAT) INDIA
PH: (O) 91-2261-2257571, 2259582 to 84 Website: <http://www.svnit.ac.in>



Prof. Yamini M Parmar has been awarded the degree of Doctor of Philosophy (Ph.D) in Mathematics from Gujarat University, Ahmedabad in December 2022.

Faculty Achievement-"BEST PAPER AWARD"



Prof. Yamini M. Parmar has been awarded "BEST PAPER AWARD" at the International Conference on Recent Advancements in Graph Theory organized by Department of Mathematics, Gujarat University, Ahmedabad, Gujarat (10-11th, September 2022).



Prof. Ashwin K Rathod has been awarded "BEST PAPER AWARD" at the International Conference on Recent Advancements in Graph Theory organized by Department of Mathematics, Gujarat University, Ahmedabad, Gujarat (10-11th, September 2022).

Faculty Publication

Prof Yamini M. Parmar presented a research paper on **"TOTAL NEIGHBORHOOD MAGIC LABELING: A NEW VARIANT"** in the International Conference on Recent Advancements in Graph Theory organized by Department of Mathematics, Gujarat University, Ahmedabad, Gujarat (10-11, September, 2022)



**Prof. P C Vaidya Sanman Nidhi Trust Sponsored
International Conference on
Recent Advancements in Graph Theory (ICRAGT-2022)**

Organized by
Department of Mathematics, Gujarat University
September 10 - 11, 2022

This is to certify that **YAMINIBEN MANSUKHLAL PARMAR, GUJARAT UNIVERSITY** presented a research paper entitled **"Total Neighborhood Magic Labeling: A New Variant of Magic Labeling"** in the International Conference on Recent Advancements in Graph Theory (ICRAGT-2022) held during September 10-11, 2022.

N H Shah

Prof. N H Shah
Convener

N P Shrimali

Dr. N P Shrimali
Convener

Dr. Mahendra A Patel's research paper **"FINGERO-IMBIBITION PHENOMENON WITH MAGNETIC FIELD EFFECT IN TWO-PHASE FLOW THROUGH POROUS MEDIUM"** has been published in the "International Journal of Computational Materials Science and Engineering" (Vol. 12, No. 3) in November 2022.

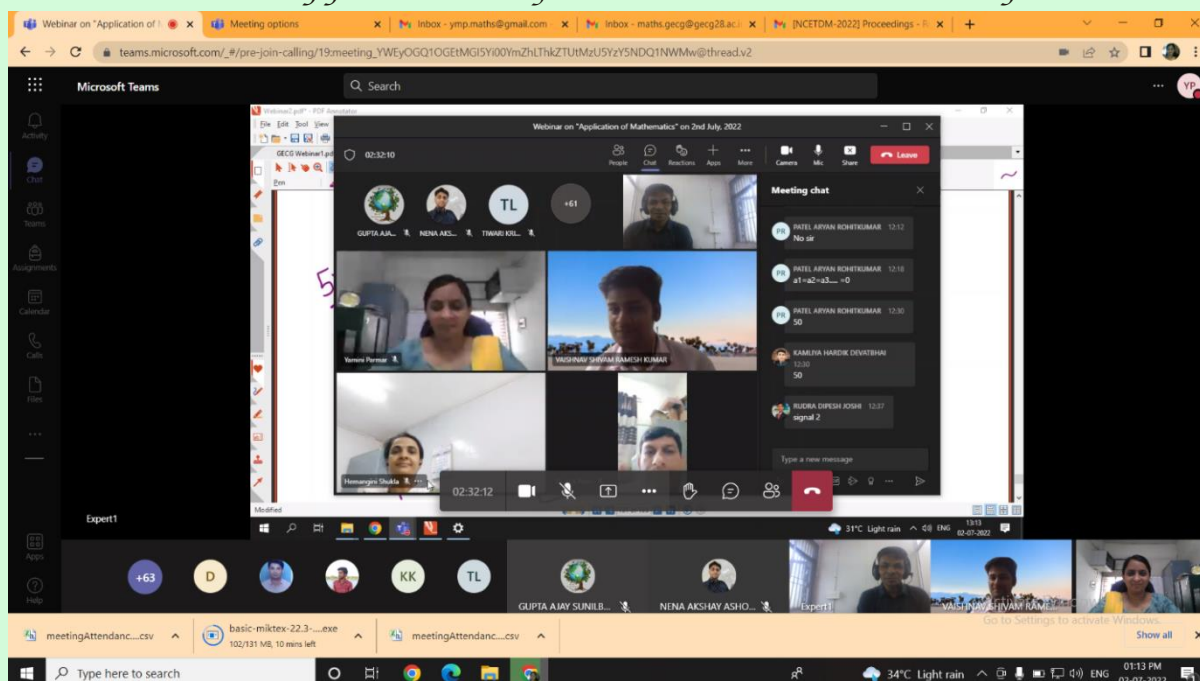
Dr. Hemangini S Shukla's research paper **"A SIMILARITY APPROACH OF HEAT TRANSFER: THE STUDY OF UNSTEADY SISO FLUID WITH VISCOUS DISSIPATION EFFECT"** has been published in International journal "Advances and Applications in Mathematical Sciences" (Vol. 21, Issue. 8) in June 2022.

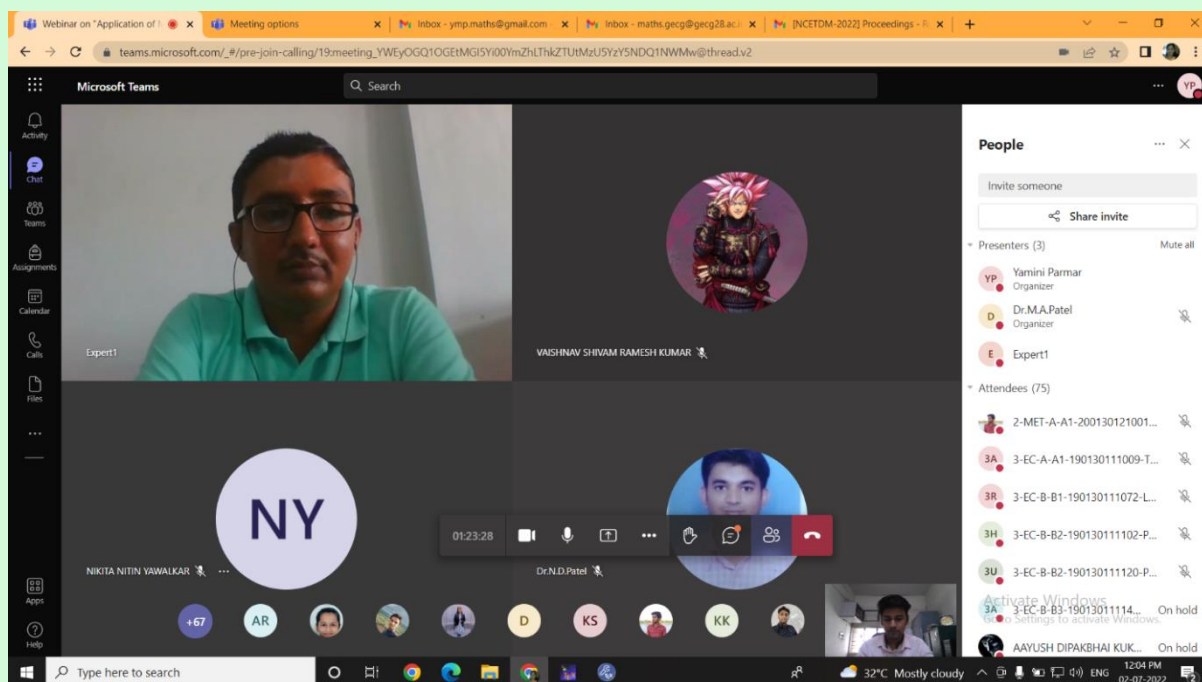
Faculty Contribution

- Prof Yamini M. Parmar coordinated a plenary session in the International Conference on Recent Advancements in Graph Theory organized by Department of Mathematics, Gujarat University, Ahmedabad, Gujarat on September 10, 2022.



- Dr M A Patel and Prof. Yamini M. Parmar jointly coordinated a webinar on "Application of Mathematics" on July 2, 2022.





- ✿ *Dr Daksha M Diwan was faculty coordinator of program on National Energy conservation Day on December 14, 2022 at Science city Ahmedabad. This program was organized in collaboration by GEDA and climate change department of Gujarat.*



- ✿ *Dr. Niravkumar D. Patel (Maths) worked as a Nodal officer at Mahatma Mandir for 36th National Games - 2022.*

- ✦ Dr. Vashishtha Patel was invited as a Judge in the event entitled "Elocution Competition" as a part of Engineer's Day celebration organized by Metallurgy Department of GEC Gandhinagar on September 15, 2022.



1st year Induction program



Government Engineering College, Gandhinagar

Orientation Program for First year : 2022





Dr.S.P.Dave
(Principal)

Schedule(09-09-2022)

Branch	Room No.	Block No.
EC	2001	2
IC	2101	2
CE	5001	5
IT	5101	5
BM	8011	8

Branch	Room No.	Block No.
MET	8011	8
CIVIL	3003	3
MECH	8011	8
ROBO	2101	2

The goal of engineering education is to train engineering graduates well in branch of admission, have a holistic personality and must have desire to serve society and nation.

A student comes from the urban or rural areas they differ in many of the life skills and their abilities and thinking. Their branch of admission may be due to rush; their interest in subject is question. They are facing the issues like hostel and settlements, pressures from peers and many related issues.

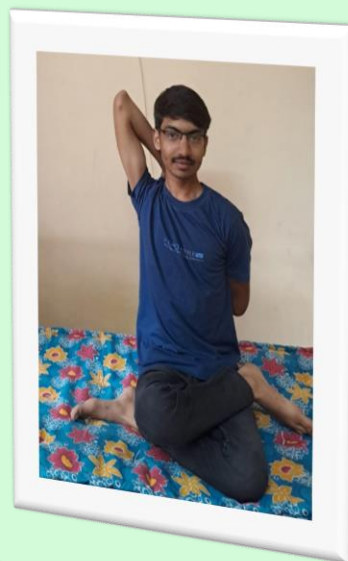
To overcome such issues, it is necessary to create an environment for students so that they feel comfortable, find their interest and explore their inner beings, create bonding with other students, establish relation with teachers, work for excellence, get a broader view of life and practice human values to build characters. The Induction Program covers the various activities which enables them to overcome all such issues and motivates them to perform well.

Few of such activities are captured from 2022 Entry Induction Program included in this session.

Best drawing sketches and crafts made by first year students.



Physical activity, students were involved in playing games and
Yoga/ Pranayama.



Participation of students in some other events under induction program



Participating
on UHV
based event.



Participating
on Literary
Based event.



Participating
In GTU
Bhumi Poojan
at Lekawada.

Faculty Participation



✿ Prof. Mihir Chaudhari successfully completed a 2-week STTP on “Induction Phase II” conducted by NITTTR, Bhopal from July 18-29, 2022 at NITTTR EC Ahmedabad.

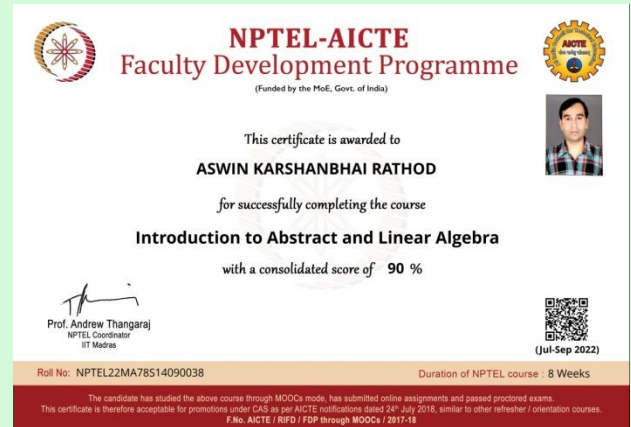


✿ Dr. Niravkumar D. Patel (Maths) has successfully completed a 1-week STTP on “Making Mathematics Interesting and understandable” held at NITTTR, Bhopal from July 18-22, 2022.



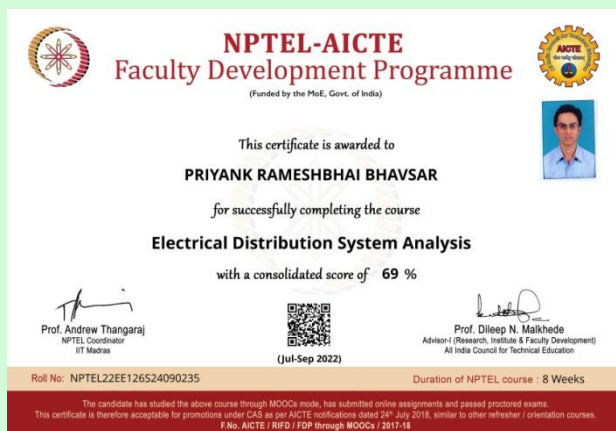
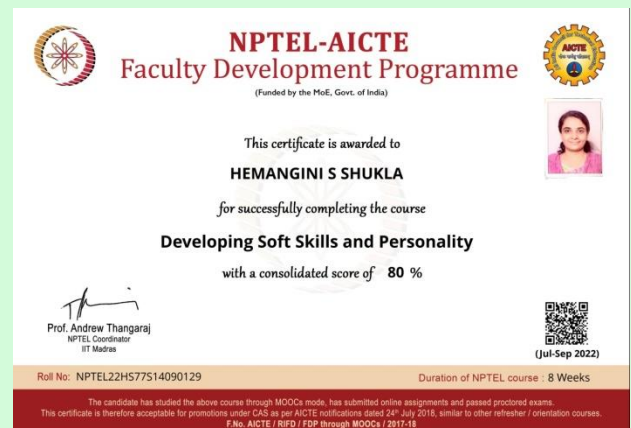
✿ Prof. Niravkumar D. Patel (EE) has successfully completed a 2-week STTP on “Induction Phase II” conducted by NITTTR, Bhopal from August 22 to September 2, 2022 at NITTTR EC Ahmedabad.

✿ Prof. Ashwin Rathod attended an 8-week online NPTEL-MOOC course on “Introduction to Abstract and Linear Algebra” during July - September, 2022.



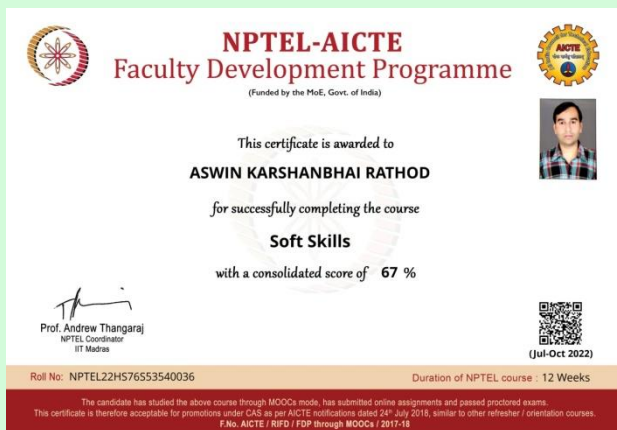
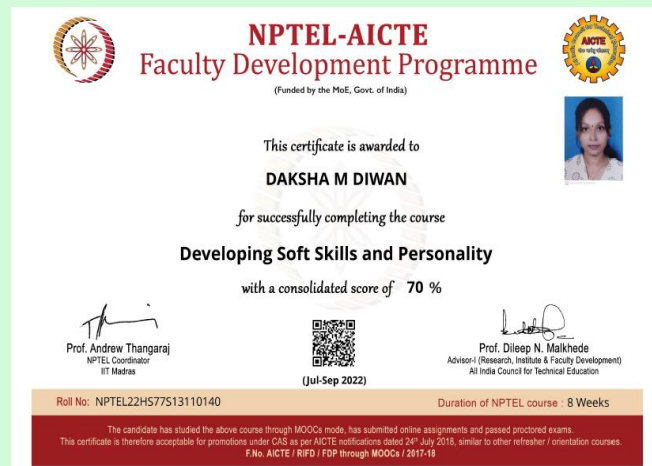
✿ Prof. Sunilkumar Agrawal attended an 8-week online NITTTR-MOOC course on “Educational Video Production” during January to May 2022.

✿ Dr. Hemangini Shukla attended an 8-week online NPTEL-MOOC course on “Developing Soft Skill and Personality” during July to September 2022.



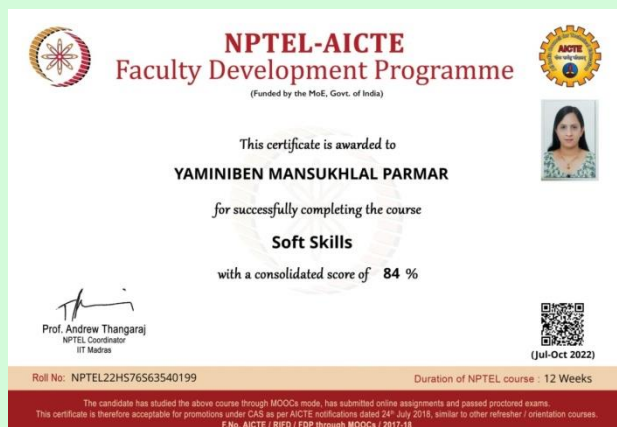
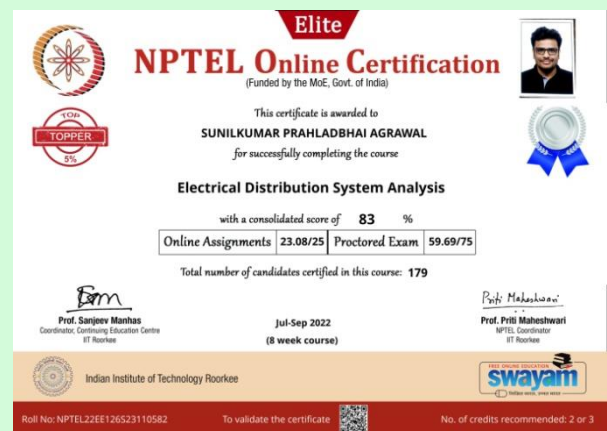
✿ Prof. Priyank Bhavsar attended an 8-week online NPTEL-MOOC course on “Electrical Distribution Systems” during July to September 2022. (cleared with Elite certification)

Dr Daksha M Diwan
attended an 8-week online
NPTEL-MOOC course on
“Developing Soft Skill and
Personality” during July to
September 2022.

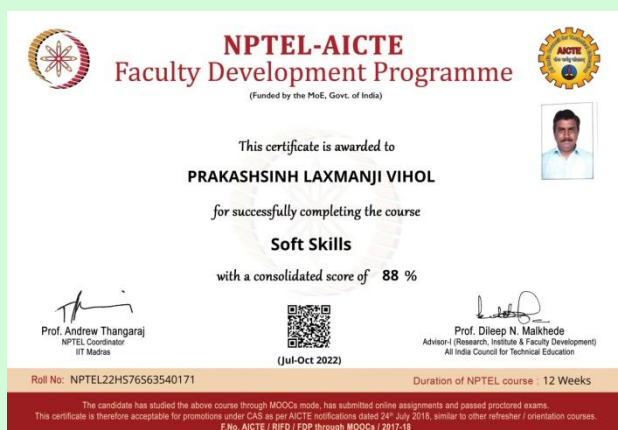


Prof. Ashwin Rathod
attended a 12-week online
NPTEL-MOOC course on
“Soft Skill” during July to
October 2022.

Prof. Sunilkumar Agrawal
attended an 8-week online
NPTEL-MOOC course on
“Electrical Distribution
Systems” during July to
September 2022. (cleared
with Elite certification)

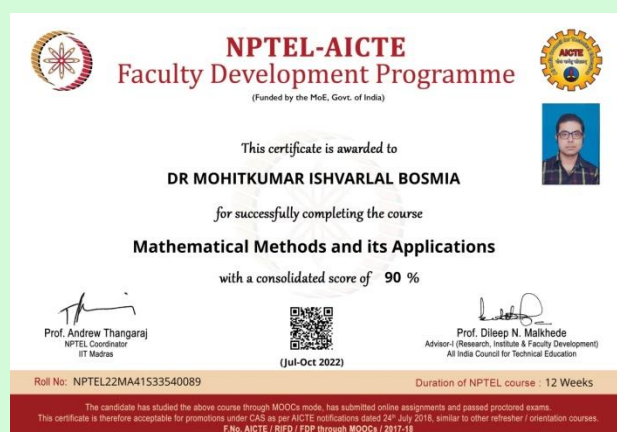


Prof. Yamini M Parmar
attended a 12-week online
NPTEL-MOOC course on
“Soft Skill” during July to
October 2022.

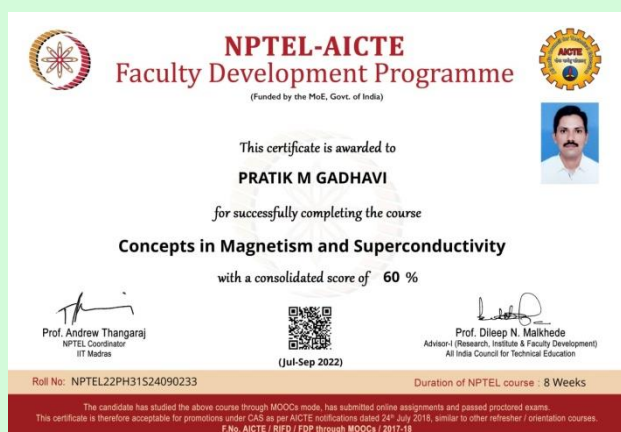


Prof. Prakashsinh L Vihol attended a 12-week online NPTEL MOOC course on “Soft Skill” during July to October 2022.

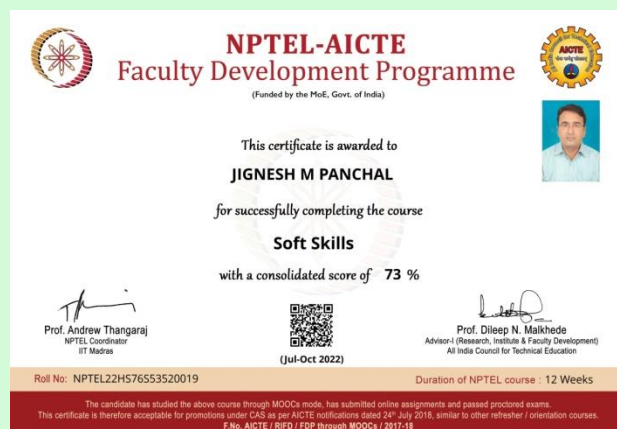
Prof. Mohitkumar I Bosmia has attended 12 weeks online NPTEL-MOOC course on “Mathematical Methods and its Applications” during 25th July 2022 to 14th October 2022.



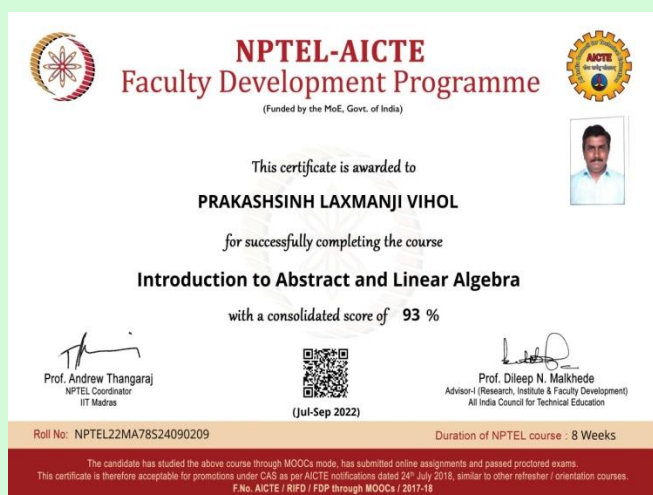
Prof. P.M.Gadhvi has attended 8 weeks online NPTEL-MOOC course on “Concept in Magnetism and Superconductivity” during 25th July 2022 to 16th September 2022.



Dr. J. M. Panchal attended a 12-week online NPTEL-MOOC course on “Soft Skill” during July to October 2022.

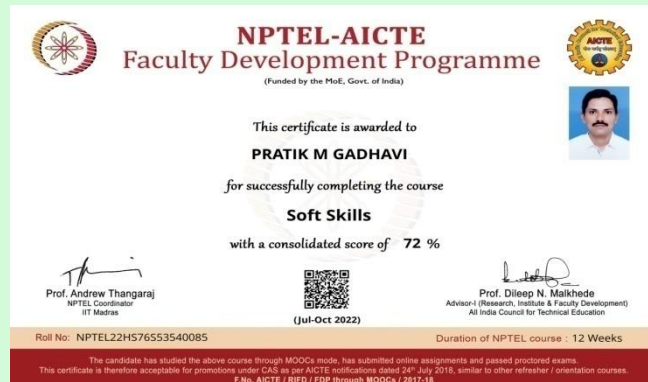


✿ *Dr. Niravkumar D. Patel
(Maths) attended a 12-week
online NPTEL-MOOC course on
“Mathematical Methods and its
Applications” during July to
October 2022.*

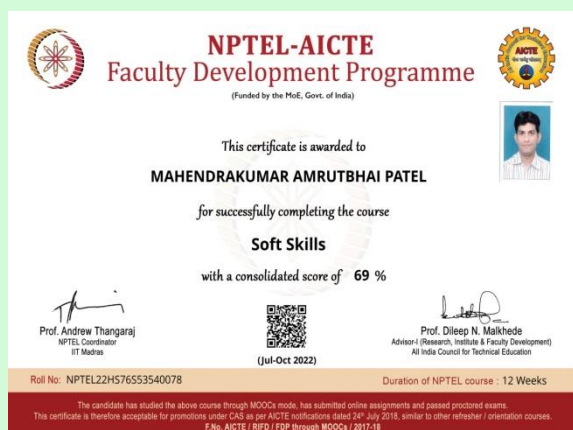


✿ *Prof. Prakashsinh L Vihol
attended an 8-week online
NPTEL-MOOC course on
“Introduction to Abstract and
Linear Algebra” during July to
September 2022.*

✿ *Prof. P.M.Gadhvi attended a
12-week online NPTEL-MOOC
course on “Soft Skill” during
July to October 2022.*

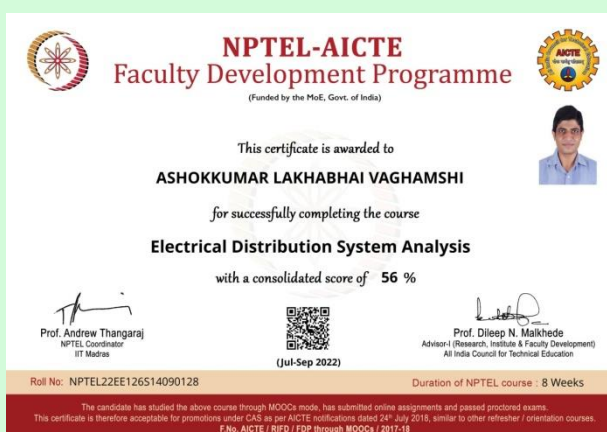


✿ *Dr. J. M. Panchal attended an
8-week online NPTEL-MOOC
course on “Concept in
Magnetism and
Superconductivity” during
July to September 2022.*



✿ Dr. M A Patel attended a 12-week online NPTEL-MOOC course on “Soft Skill” during July to October 2022.

✿ Prof. Ashokkumar L. Vaghamshi attended an 8-week online NPTEL-MOOC course on “Electrical Distribution Systems” during July to September 2022.

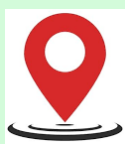


Expert lecture

- ✿ Prof. Mihir Chaudhari delivered an expert lecture on "Fundamentals of solar power generation" at LDRP Institute of Technology and Research during short term training program on 'Recent Trends in Solar Power System' August 2, 2022
- ✿ Dr. Niravkumar D. Patel (Maths) delivered an expert lecture on “Probability Distribution” at the Computer Engineering & Information Technology Department, Government Engineering College Modasa during a two day workshop on “Application of Probability and Statistics in Data Science & Machine Learning” from September 2-3, 2022.
- ✿ Dr. Vashishtha J Patel delivered an expert session on "Interview Techniques" for the higher semester students of Biomedical Engineering of Government Engineering College, Gandhinagar on 30th July, 2022

Newsletter team

Supported by	Prof. Suresh R. Sharda Head- General Department
Coordinator	Dr. Tarun Patel, Assistant Professor(English) General Department
Team member	Prof. Niravkumar D. Patel, Assistant Professor(Electrical) General Department



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