

UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY, BIKANER

(Constituent College of Bikaner Technical University, Bikaner)



ANNUAL REPORT

(2019-2020)

PRINCIPAL'S DESK

Dear Friends,

It is my warm privilege to present before you a brief of our institute's vision and efforts. We at UCET, Bikaner put in our sincere efforts to keep pace with the rising demands of technology. We have a vision to develop a centre of academic excellence for quality technical education, with managerial & entrepreneur skills, to meet the social needs and global challenges.

A well planned, neatly maintained and eco-friendly campus provides every facility to the students and atmosphere to study. The teaching faculty members are a mix of experienced teachers and young technocrats devoted to teaching. Each member of the institute is passionate about delivering excellent services to the stake holders.

While pursuing academic excellence, students have the facility to develop themselves in allied interests like sports, reading, cultural, literally & social activities. Engineering is not an entirely academic; it extends beyond the class rooms, laboratories and workshop for holistic development of the students. We also provide an environment with Human Values and Professional Ethics where the students feel welcomed, accepted and respected regardless of religion, caste, creed, gender or social status.

With the whole hearted support and co-operation of the teaching as well as non-teaching staff and students, I am confident that the institute will continuously achieve new excellence in imparting high quality education.

All the best for your optimistic and beautiful journey.

Dr. Y.N. Singh
Principal

Table of Contents

1	ABOUT UCET	4
	Mission	4
	Vision	4
	BOG of the College	5
2	FACILITIES IN THE COLLEGE CAMPUS.....	6
	Ceramic Electrical Research and Development Centers (CERDC).....	6
	Hostels	6
	Facilities.....	7
	Medical	7
	Bank.....	7
	Canteen	7
	Transportation	8
3	CELLS, CENTERS& COUNCILS	8
	Library	8
	Training & Placement Cell.....	9
	Entrepreneurship Development Cell	11
	Institutional Industry Interaction Cell	12
	Civil Research & Development Cell	13
	Computer Center	13
	Students Advisory/Activity Council	13
4	ACTIVITIES&GAMES	14
	NSS.....	14
	NCC.....	15
	Sports.....	16
5	ACADEMIC STRUCTUREATUCET	17
	Ceramic Department.....	19
	Electronics &Communication Department	22
	Mechanical Department	25
	Computer Science Engineering Department	28
	Civil Department	30
	Electrical Engineering	40
	MBA Department	51
	Basic Science& Humanities	51
	Ph.D. Research Center.....	52
6	Achievements in TEQIP-III till June 2020.....	53
	Gallery	

1. ABOUT UCET

University College of Engineering and Technology (UCET), approved by AICTE, is constituent college of Bikaner Technical University (BTU). Before becoming constituent college of BTU it was known as Govt. College of Engineering and Technology (GCET). It was established in 2007, as an autonomous body of Govt. of Rajasthan, amidst the brown blooms of desert island, Bikaner. Bikaner Technical University was established in 2017 and soon after that UCET became its constituent college.

The College is running with the aim to equip students with the latest engineering skills and knowledge to successfully meet the challenges posed by globalization and to provide comprehensive engineering education and necessary technical skills by developing a professional outlook in every walk of life. It has made its mark by inspiring quality education.

The College has spread in 1, 74,015sqm (43 Acre or 70 Bigha) land having six beautifully constructed & well equipped buildings, green landscapes, play grounds, hostels and other amenities. The total constructed area is 24910 Sqm.



MAP OF THE INSTITUTE

The Vision and Mission of the are-

1.1 VISION

"To be a center of academic excellence for quality technical education, with managerial & entrepreneur skills, to meet the social needs and global challenge".

1.2 MISSION

1. Provide the fundamental knowledge of engineering field using modern tools.
2. To identify and nurture managerial and entrepreneur skills to fulfill the needs of society.
3. Collaborating with industry and institutes to develop new ideas and creativity which can serve for the nation's economic development.

1.3 BoG OF THE UCET

S.No.	Name of Officer along with Designation	Designation in BoG	Category
1	Dr. Anil Kumar Mathur Porfessor, RTU, Kota	Chairman	Educationist, Nominated by University
2	Sh. K.B. Gupta Director, Rangoli ceramics, Bikaner	Member	Industrialist, Nominated by University
3	Sh. Rajesh Kumar Paliwal Director, PNT Design Pvt. Ltd.	Member	Professional, Nominated by University
4	Dr. Mukesh M. Joshi Associate Professor, Mathematics, UCET, Bikaner	Member	Faculty Nomination by Hon'ble Vice-Chancellor
5	State Government Nominee	Member	To be nominated by state Government
6	Dr. RanjanMaheshwari Professor, RTU, Kota	Member	University Nominee, Nomination by Hon'ble Vice-Chancellor
7	UGC/AICTE Nominee	Member	To be Nominated by UGC/AICTE
8	Dr. Yadunath Singh Principal/Director, UCET, Bikaner	Member Secretary	Ex-Officer

2. FACILITIES IN THE COLLEGE CAMPUS

2.1 CERAMIC ELECTRICAL RESEARCH AND DEVELOPMENT CENTRES (CERDC)

The Ceramic Centre Bikaner was renamed as Ceramic Electrical Research and Development Centre (CERDC), Bikaner during 2010. Historically, the CERDC, Bikaner is IV (in public sector) after Kolkata (WB), Morbi (Gujarat) and Khurja (UP) at national level. The scope of this Centre is to facilitate the entrepreneurs of North India. During this period, CERDC was engaged mainly in testing of insulators along with beneficiation and characterization of minerals which were of interest of growing ceramic industries. At initial stage, most of the work was directed towards identifying suitable mineral resources along with their suitability for specific product development within Rajasthan and its nearby areas. The quality control in respect of ceramic is given due attention with development of ceramic products on introduction of different minerals such as Clay, Gypsum for their suitability in specific uses.

<http://www.cerdc.res.in/>

2.2 HOSTELS

The boy's hostels have initial capacity for 260 students & the girls' hostels have capacity for 150 students. The students taking admission in 1st year are encouraged to reside in hostel so that they can be safe from any act of ragging. Each student is provided basic facilities like almirah, table & chair.



HOSTEL

2.3 FACILITIES-

- 2.3.1 English & Hindi newspapers
- 2.3.2 Sports (both indoor & outdoor games)
- 2.3.3 In-house gymnasium
- 2.3.4 24 hrs Telephone & Internet facility
- 2.3.5 Two times meals per day & special diet on weekends.
- 2.3.6 24 hrs facilities of security guards

2.4 MEDICAL

The college has its own dispensary where the medical facilities for the students and staff members. A duly-qualified staff and proper stock of medicines have been ensured by the college authorities.

2.5 BANK

Banking is possible in the college premises with The Oriental Bank of Commerce Branch, making banking procedure easy and convenient. A 24-hour ATM is also available within the campus.



OBC BANK

2.6 CANTEEN

College canteen is one of the most happening places in the campus. Of course, it is known for its savory food, but it is also the place where you make some of the best memories of your college life.



CAMPUS CANTEEN

2.7 TRANSPORTATION

The college has own fleet of buses and services are available to almost all parts of the city. Transport facility is provided to & fro the hostel to college campus on different routes. The students are picked and dropped to their respected destinations.



TRANSPORTATION FACILITY

3 CELLS, CENTERS & COUNCILS

3.1 LIBRARY

The Central Library in UCET is one of the best technical libraries in the State. It hosts an impressive collection of academic resources in the form of books, journals, research papers and electronic journals on a variety of subjects including science, technology, humanities, social sciences and management sciences. It houses a large number of full-text electronic journals, online databases and Electronic Thesis and Dissertations (ETD). The web-based library catalogue is accessible from anywhere on the campus' Local Area Network. The Library subscribes to 110 current journals. The Library has a rich collection of books on science and technology including chemistry, mathematics, physics, civil engineering, computer science, electrical and electronics engineering, mechanical engineering, electrical engineering & management. Besides, Library also has a good collection in the areas of humanities and social sciences. Besides General Collection, the Library has segregated specialized collection having separate collection codes mentioned below:

- Total no. Titles : 4278
- No. of volumes: 32003
- EBooks Title: 500
- E-Journals/Journals: 749
- Working Area : 500 Sqm
- Seating Capacity for Digital Library : 100
- Working Hours : 12 Hours



CENTRAL LIBRARY

3.2 TRAINING & PLACEMENT CELL

Training and placement in any engineering college is one of the most important activities. The cell is helping students in getting a decent placement through on/off campus drives, getting practical training in engineering subjects as well as in soft skills, developing a long term relations with industries for the mutual benefits of both, career counseling, different training etc. The dedicated team of faculty members and students are the core strength of the cell, showing continuously incremental results every year.

PLACEMENT RECORD-

S.No	Academic Year	Placement
1	2017-18	130
2	2018-19	190
3	2019-20	59

ALUMNI



Our Alumni Entrepreneur Shashank Shekhar Singh - CEO - "Core Techies India Private Limited".



Ms. Nav Jyot Kaur- Persuing M.Tech in Information Security from George Mason University Virginia USA



Dinesh Chotia (Batch 2013-17)
B-Tech Student
Placed as Engineer in Microsoft



MR. KULDEEP
L & T, HEFEI, CHINA



Gajendra Singh Rathore
Director at Ace Cone Ceramics Private Limited
UCET Alumni



Gurmeet Singh
Director at Ace Cone Ceramics Private Limited
UCET Alumni

Mr. Dinesh Chotia- Trainee Engineer at Microsoft & Mr. Kuldeep- Working with L & T, HEFEI, China

3.3 ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurial Development Cell (EDC) is responsible for activities and initiatives which would instill and promote the spirit of entrepreneurship amongst the students. To foster an environment which is conducive to entrepreneurship, EDC organize lectures, events and workshops to create a platform for them to realize their potential and showcase their bright ideas in front of public and industry.

The Entrepreneurship Development Cell (EDC) has been established in the Institute with the financial Aid of AICTE under ministry of HRD. The prime motive of the Cell is to promote entrepreneurial spirit among students of Bikaner and aims to act as one of the biggest platform for Academicians, New-age Entrepreneurs, Eminent Business Personalities & the students to gather, learn & share their entrepreneurial endeavors, experiences & aspirations.

Objectives:

- 3.3.1** To promote strong entrepreneurship among Engineers, Managers and Science students.
- 3.3.2** To promote entrepreneurship among relevant sectors in the state.
- 3.3.3** To collaborate with other organizations and institutions.
- 3.3.4** To organize entrepreneurship development and awareness programs.
- 3.3.5** To undertake research studies to identify high technology areas having entrepreneurship opportunities.
- 3.3.6** To develop close links between industry-Institute by interaction programs. High priority to activities designed to bring about improvement in the performance of the industry.

3.4 INSTITUTIONAL INDUSTRY INTERACTION CELL

The cell has been established to act as a tool to promote Institutional Industry Interaction and research among students on live projects of industry.



INSTITUTIONAL INDUSTRY INTERACTION

MOU's/Collaboration from other Universities/Industries for Academic/Placements-

- (i) ISOL- 03/12/2014

- (ii) ACECONE CERAMAX Pvt. Ltd.- 15/02/2014
- (iii) ESCI Hyderabad- 10/09/2015
- (iv) Rahul Transformers Pvt. Ltd.- 01/08/2018

3.5 CIVIL RESEARCH & DEVELOPMENT CELL

The cell aims to develop a support system for technocrats and to provide personalized instructions in state-of-the-art laboratories from quality faculty to ensure sound theoretical knowledge and practical experience coupled with vital sense of moral and ethical values and character building and involvement in all round co-curricular and extracurricular activities.

3.6 COMPUTER CENTRE

The college has a well-equipped computer center. It consists of 10 different labs with capacity of 20 student's capacity per lab for efficient working & monitoring. The salient features of the center are:

- 200 computers with the configuration - i7, 3.4 GHz Processor, 2GB RAM, 1066MHz DDR3 RAM with 8GB Expandability & with 320GB Harddisk
- LED Screens are of 18.5inch
- LCD Projector
- Internet Lease Line- 155 Mbps

3.7 STUDENTS ADVISORY /ACTIVITY COUNCIL

Students Advisory Council has been established for giving an opportunity to the students for his holistic development. This advisory council provides a platform to the students to fulfill the cultural, educational and recreational needs of the students of University College of Engineering & Technology Bikaner.

The main objectives of this Council will be –

1. To foster and develop all students' activities in the College.
2. To develop the spirit of cooperation and coordination among all the students above their cultural, religious, gender, regional, caste differences.
3. Identify student issues and promote discussion on them.
4. To develop a well-informed, articulate and participative student's community life, to increase social awareness and feeling of responsibility.
5. To promote and develop organizational abilities, leadership, entrepreneurship, creativity, innovation in the students.

4 ACTIVITIES &GAMES

4.1 National Service Scheme (NSS)

National Service Scheme in the institutions on a voluntary basis helps in developing healthy

contacts between the students and teachers on the one hand and establishing a constructive linkage between the campus and the community on the other hand. The institution also have a very strong NSS wing with dedicated volunteers determined to help in the development of campus as well as also committed for their responsibility towards society through plantation, cleaning drives in the town, conducting blood donation camps, organizing other socially relevant events etc.



Plantation by NSS Wing



Blood Donation Camp NSS Wing

4.2 National Cadet Corps (NCC)

National Cadet Corps wing of the institution is a very active wing, engaged in grooming the youth – ‘The Leaders of Tomorrow’ – into disciplined and patriotic citizens. Students start joining it in the very first year of their college and start contributing towards its broader goals.

Aim of NCC in College:

- To Develop Character, Comradeship, Discipline, Leadership, Secular Outlook, Spirit of Adventure, and Ideals of Selfless Service amongst the Youth of the Country.
- To Create a Human Resource of Organized, Trained and Motivated Youth, To Provide Leadership in all Walks of life and be Always Available for the Service of the Nation.
- Provide a Suitable Environment to Motivate the Youth to Take Up a Career in the Armed Forces.



NCC



NSS Wing

4.3 SPORTS

Sport is one of the vital activities of any institution. The institution possesses large cricket, football & basketball playgrounds and gymnasium for physical fitness of students and a common room to provide space for indoor recreational activities. A sports complex has been developed for indoor and outdoor games. Institute is organizing time to time sports events to encourage students for sports to make them fit and energetic.



Sports Complex



OUTDOOR SPORTS



INDOOR SPORTS

Students are actively participating in different national and international sports event and making the college and country proud.

5 **ACADEMIC STRUCTURE ATUCET**

Academically, the college consists of 6 Engineering and one Management Departments having PG and Ph.D. programme. In 2007, the initial intake was of 240 students with 60 in each branch, i.e. Electronics & Communication Engineering, Computer Science & Engineering, Ceramic Engineering, and Civil Engineering. Later in 2008, College added Mechanical Engineering & one P.G Course i.e. MBA and also doubled the intake in Computer Science Engineering. In 2011, Electrical Engineering has also been started with intake of 60 students.

Under Graduate courses:

S.No	Name of Branch/Programme	Intake
1	Ceramic Engineering	30
2	Civil Engineering	60
3	Computer Science & Engineering	120
4	Electronic and Communication Engineering	30
5	Electrical Engineering	60
6	Mechanical Engineering	60

Post Graduate Courses:-

S.No	Name of Branch/Programme	Intake
1	Master of Business Administration (MBA)	60



UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY

It has students from almost all parts of the country, exhibits the diversity, comprehensiveness, and depth. With a solid grounding in the principles and practice of engineering, the students are ready to engage in ethical approaches to engineering, with concern for society and the environment.



UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY, BIKANER

College has six engineering departments. The department wise details are as follows:

5.1 CERAMIC ENGINEERING DEPARTMENT

UCET, Bikaner Ceramic_Department

The educational objectives for Ceramic Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of ceramic engineering causes and to accommodate the needs of the community.

Vision

“Engage both traditional and emerging field of ceramics, to bring expertise and management skills in technocrats to contribute in industrial and society development”

What is Ceramic Engineering

“ceramics,” people usually think of an image of pottery or space shuttle tiles. Ceramics play an important role almost everywhere besides everyday objects, ceramics are helping computers and other electronic devices operate, improving people's health in various ways, providing global telecommunications, and protecting soldiers during combat. Two major categories of ceramics: Traditional and Advanced. Traditional applications include consumer products like dinnerware or ovenware and construction products like tile or windows. Most of these applications have been in use for many years and therefore markets are mature with single digit growth. Advanced applications take advantage of specific mechanical / electrical / optical / biomedical / chemical properties of glass or ceramic materials and have entered the scene over the last several decades or so.



One category that is sometimes hard to define is refractories. The production of most ceramics and glasses, as well as other commodities like metals, metal alloys, and cement, would not be possible without these refractories.

COURSES OFFERED

Post-Graduate (PG) –

M. Tech. in Material Science & Engineering is a 2-year full-time post-graduate course divided across 4 semesters.

Department's aim is to serve as a resource center for Material Science and Engineering and to stimulate R&D activities in the technological and commercial development of new products and processes.

Under-Graduate (UG)-

B.Tech in Ceramic Engineering is amongst the specific engineering specializations that cover the production and manufacturing of ceramic products for use in different industries. Being one of the newest fields of engineering, research is one of the major parts of this field.

Learning Activities for Students

- Industrial Tour
- Seminar/Webinar
- Workshop
- Guest Lectures
- Conferences
- Exhibition
- Employability and skill development classes
- Gate Classes
- Research Project



Laboratory Equipment

- X-Ray Diffractometer
- Thermal Evaporator
- DTA/TGA
- Dual Source Meter
- Electrochemical Workstation
- Spin Coater
- Ultrasonicator
- High Temperature Furnace
- Dilatometer
- Optical Microscope
- LCR Meter
- UVVisible Spectrophotometer
- Flame Photometer
- Sand Bath
- Conductivity Meter
- Infrared Moisture Balance
- UTM Machine
- CMOR/HMOR
- Deairing Pug Mill
- Ball Mill/Pot Mill/Attrition Mill
- Autoclave
- Sieve Shaker



X-Ray Diffractometer



Spin Coater



Optical Microscope



Thermal Evaporator



Dual Source Meter



Ultrasonicator



UV Visible Spectrophotometer



DTA/TGA



ElectroChemical Workstation



UTM Machine

FACULTY PROFILE



Name: – Dr. Prakash Singh
Designation: – Assistant Professor
Degree: – Ph.D. (IIT BHU Varanasi)
Specialization: – Advance Ceramics
Mobile No: – 9460790676
Mail id: – psceramic@gmail.com



Name: – Mr. Sanjeet Kumar
Designation: – Assistant Professor
Degree: – M.Tech. (IIT BHU Varanasi)
Specialization: – Bio Ceramics
Mobile No: – 9571519431
Mail id: – sanjeet.8028@gmail.com



Name: – Mr. Amit Kumar Sudhansu
Designation: – Assistant Professor
Degree: – M.Tech. West Bengal University
Specialization: – Refractories
Mobile No: – 9782294618
Mail id: – amitsudhansu133@gmail.com



Name: – Mr. Nayan Kumar Debnath
Designation: – Assistant Professor
Degree: – PhD Pursuing (IIT BHU)
M.Tech. (IIT BHU Varanasi)
Specialization: – Monolithic Refractory
Mobile No: – 8127956658
Mail id: – nayanct@gmail.com



Name: – Mr. Rajesh Suthar
Designation: – Assistant Professor
Degree: – PhD Pursuing (IIT BHU)
M.Tech. (IIT BHU Varanasi)
Specialization: – Refractories
Mobile No: – 7976001070
Mail id: – mandan.rajeshc@gmail.com



Name: – Mr. Vishwas Acharya
Designation: – Assistant Professor
Degree: – PhD Pursuing (IIT BHU)
M.Tech. (IIT BHU Varanasi)
Specialization: – Advance Ceramics
Mobile No: – 8787285780
Mail id: – vishwasacharya59@gmail.com



Name: – Mr. Surendra Jangu
Designation: – Assistant Professor
Degree: – PhD Pursuing (IIT Kharagpur)
M.Tech. (IIT Kharagpur)
Specialization: – Advance Ceramics
Mobile No: – 9414728941
Mail id: – sjangu45@gmail.com

PLACEMENT

NAME OF STUDENTS	COMPANY PLACEMENTS
MR. VISHWAS ACHARYA	ASST. PROFESSOR, GCET, BIKANER
MR. RAJESH SUTHAR	ASST. PROFESSOR, GCET, BIKANER
MR. RAHUL TAK	NAHAR COLOUR & COATINGS BHARUCH
MR. MAHESH KUMAR MALI	STEEL AUTH. OF INDIA LTD. BHILAI
MISS ASHITA PAREEK	LECTURER, L.E COLLEGE, MORBI
MR. SHRIKRISHANUPADHYAY	LECTURER, L.E COLLEGE, MORBI
MR. RAMAN HISSARYA	M.TECH, IIT-BHU
MR. PAWAN KUMAR OJHA	M.TECH, MNIT-JAIPUR
MR. VIMAL DHING	COLOROBIA PVT LTD, MORBI
MR. YOGENDAR GUPTA	HNG, VADODARA
MR. VIRENDAR S. RATHORE	M.TECH, IIT-KANPUR
MR. RAM PYAR SINGH	M.TECH, IIT-KANPUR
MR. GOURAV SAREEN	M.TECH, IIT-KANPUR
MR. SUNIL KUMAR BISHNOI	VIZAG STEEL LTD, VISAKHAPATNAM
MR. NARAYAN JOSHI	TORRECID INDIA PVT LTD, GUJARAT
MR. NAZIF KHAN	BIKANER CERAMIC PVT LTD, BIKANER
Mr. ASHISH DUDEJA	SIMPOLO TILES LTD, MORBI, GUJARAT
Mr. DEEPESH SHARMA	ACHINT CHEMICALS
Mr. JOGENDRA JAKHAR	ACHINT CHEMICALS
Mr. MAHAVEER BALAECH	OWN CERAMIC MATERIAL MINES
Mr. MANISH K. SHARMA	OWN CERAMIC MATERIAL MINES
Miss. MAYA DEVI	ACHINT CHEMICALS
Mr. BHAWESH DUTTA	CALDERES REF. LTD, NAGPUR
Mr. JADAV HIREN	OWN CERAMIC INDUSTRIES
Mr. PATOLIYA DIVYESH	SIMERO INTERNATIONAL LLP

NAME OF STUDENTS	COMPANY PLACEMENTS
Mr. AJAY KUMAR	M.TECH-NIT ROURKELA
Mr. ANUJ GUPTA	M.TECH-MNIT JAIPUR
Mr. AYUSH KHADELWAL	SIMPOLO TILES LTD, MORBI, GUJARA
Mr. MAYANK SHARMA	SIMPOLO TILES LTD, MORBI, GUJARAT
Mr. MAHAVEER SHARMA	SIMPOLO TILES MORBI
Miss. JYOTI MODI	SIMPOLO TILES LTD, MORBI, GUJARAT
Mr. KAMALDEEP BISSA	NAHAR COLORS & COATING PVT LTD
Mr. BHAGWAN SINGH	TVS CREDIT SERVICE PVT LTD,
Mr. MANISH VYAS	JINDAL STEEL LTD, MAHARASTRA
Mr. DEEPAK AGARWAL	BIKANER CERAMICS PVT LTD
Mr. MOHD. SALMAN	H&R JOHNSON, MAHARASTRA
Mr. NAVNEET KUMAR	SPECIAL CERAMIC PVT LTD
Mr. RAVI PANDYA	TORRECID INDIA PVT LTD, MORBI
Mr. RAJENDRA GHANCHI	NAHAR COLORS & COATING PVT LTD
Mr. SACHIN JOSHI	MGIRL-MAHATMA GANDHI INST.
Mr. SAKET MATHUR	GOLCHA MINES, JAIPUR, RAJASTHAN
Mr. JAY SAVADIA	OWN BUISNESS, MORBI
Mr. MASTHAN BASHA	GOVT. JOB IN DEPT. OF POSTAL
Mr. MANOJ VINJAMURU	SAINT-GOBAIN GYPROC INDIA LTD
Mr. RANDHEER KUMAR	CALREYS REFRACTORIES LTD
Mr. VEKATESH KOTAI	MERYS CERAMIC LTD
Mr. PRADHYUMAN S.	HINDWARE LTD, HARAYANA
Mr. PRADEEP BENIWAL	HINDWARE LTD, HARAYANA
Mr. SURAJ PARIHAR	HINDWARE LTD, HARAYANA
Mr. MUKESH SUTHAR	M.TECH (MNIT, JAIPUR)
Miss SMITA PANDAY	M.TECH (JADAVPUR UNIVERSITY)
Mr. RAVI GODARA	ASST. PROFESSOR, GCET BIKANER
Mr. SURENDRA JANGU	ASST. PROFESSOR, GCET BIKANER
Mr. PREM SUKH BISHNOI	WONDER CEMENT LTD, RAJ.
Mr. RAMNIWASH BISHNOI	SIMPOLO TILES LTD, MORBI
Mr. RAKESH DOTASARA	SIMPOLO TILES LTD, MORBI

Event & Gallery



Contact

- 9828506214
- 9414512492
- 766554333
- 8058750369

Scan & Inquire



5.2 ELECTRONICS & COMMUNICATIONS ENGINEERING DEPARTMENT

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About University

Bikaner Technical University (BTU) is located in Bikaner in the state of Rajasthan. It was established in 2017 by the Government of Rajasthan to enhance the technical education in the state. The university has been established in the campus of University College of Engineering & Technology, Bikaner (previously known as Government College of Engineering & Technology, Bikaner), which is located on the Pugal Road, Karni Industrial Area. All the Technical Institutes of the Bikaner division, Jodhpur division, Ajmer division (District: Nagaur, Ajmer), Jaipur division (District: Alwar, Sikar, and Jhunjhunu) are under the administrative and academic control of BTU.

About Department

In present era the field of electronics & communication plays an important role in almost every sphere of our life. It has penetrated in every field of our existence. It mainly deals with the communication technologies along with the basic electronic components, design of circuits and systems. Electronics and Communication department is established with well-equipped laboratories and research facilities. These laboratories provide platform for learning not only theory but also practical aspects of electronics and communication engineering.

Institute Vision

"To be a center of academic excellence for quality technical education, with managerial & entrepreneur skills, to meet the social needs and global challenges."

Institute Mission

Provide the fundamental knowledge of engineering field using modern tools.

To identify and nurture managerial and entrepreneur skills to fulfill the needs of society.

Collaborating with industry and institutes to develop new ideas and creativity which can serve for the national economic development.



Department Mission

By facilitating the students with an environment of academic freedom through student centric learning approaches. By developing innovative and simple instructional material to drive the concepts into the minds of students.



Department Vision

To produce technocrats having edges of ethical senses who can withstand with global challenges in the field of Electronics & Communication Engineering.

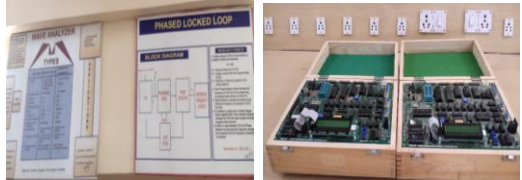
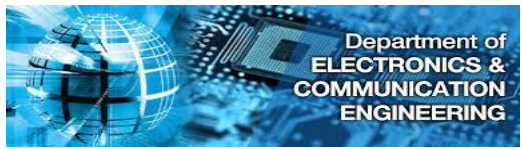
Program Outcomes

To enhance the engineering skill in students of communication engineering.

To develop dynamic learner and innovators.

To develop the graduate having advantages of soft skills for real time problems solving that can lead with moral values.

Career Opportunities	Lab Details
<p>Electronics & communication Engineering offers scope in the field of research, mobile communication, Microwave communication, robotics, defence, radio communication, TV broadcasting, telegraphy & telephony, VLSI design, DSP, nuclear science, wireless communication and biotechnology.</p>	<p>Signal Processing Lab Microwave Engg Lab Digital Electronics Lab Electronics Device Circuit Lab Microprocessor Lab Analog Electronics Lab Analog & Digital Communication Lab VLSI Lab</p>
Salient features	Past Activities
<p>Students and faculty of ECE are continuously engaged in updating the knowledge through projects, experimentation, Industry tie-ups and research publication.</p> <p>Graduates are placed in TCS, Cognizant and in many other companies, various govt departments and PSU's.</p> <p>Free GATE classes</p> <p>Internship opportunities at IITs/NITS.</p>	<p>Expert lecture by Professor Narendra Kohli, Professor HBTU, Kanpur on 15 to 16 March 2019</p> <p>Expert lecture on "Role of New Technology in Present Scenario" by prof. Mithlesh Kumar from RTU, Kota on 9 Aug 2019</p> <p>Three days workshop on " Robotics & VLSI " from 13 to 15 Feb 2020</p> <p>Two days workshop on "Challenges and opportunities in the context of Global education" on 19 & 20 Feb 2020</p>
Training and Placements	
<p>100 percent training and placement assistant through departmental and institute level Training and Placement Cell.</p>	



Name - Mr. Dinesh Kr. Sain
Designation -Assistant Professor
Qualification -BE, M.Tech.
Area of interest- Digital communication
Biomedical engineering
Mail. ID- dksain76@gmail.com



Name - Mr. S. L. Sharma
Designation -Assistant Professor
Qualification -BE, M.Tech.
Area of interest- Digital Signal Processing
eMail-shankar01may@gmail.com



Name - Mr. Arvind Sirvee
Designation -Assistant Professor
Qualification -BE, M.Tech(IITR)
Area of interest- Image Processing,
Advance Communication, EMT.
Mail. ID-arvind.sirvee@gmail.com



Name - Mr. M. K. Mehara
Designation -Assistant Professor
Qualification -BE, M.Tech(MNIT)
Area of interest- Signal & Image Processing
Mail. ID- mkmeh@rediffmail.com



Name - Mr. Rakesh Kumar
Designation -Assistant Professor
Qualification -BE, M.Tech(NIT Jal)
Area of interest- Digital Signal Processing
Mail. ID- rakeshdp86@gmail.com



Name - Mr. Sandeep Kr. Bhakhar
Designation -Assistant Professor
Qualification -BE, M. Tech
Area of interest- Embedded Systems, IOT.
eMail- sandeep.bhakhar@gmail.com



Name - Ms. Neelam Swami
Designation -Assistant Professor
Qualification -BE, ME
Area of interest- VLSI design
eMail-swami.neel87@gmail.com



Name - Mr. Kamal Kr. Verma
Designation -Assistant Professor
Qualification -BE, ME
Area of interest- Analog and Digital Communication
Mail. ID- kkverma99@gmail.com

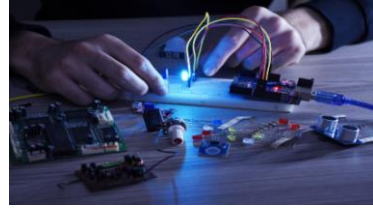


Name - Mr. Saket Jangid
Designation -Assistant Professor
Qualification -BE, M. Tech
Area of interest- Digital Electronics
Mail. ID- saket.jangid@gmail.com



Name - Ms. Anita Panwar
Designation -Assistant Professor
Qualification -BE, M. Tech
Area of interest- Wireless sensor networks
eMail- anitapanwar15@yahoo.co.in

GATE Qualified Students
 Amar Nath Yadav
 Teekam Chand Khandelwal
 Bittu Kumar
 Guddu Kumar
 Akash Saini
 Siddharath Gupta



Our Pride Alumni

Name of Student	Name of compney	Name of Student	Name of compney
Surabhi	Tech Mahindra	Gopal chandra sharma	MNIT Jaipur
Shivangini Meghwanshi	Spring Board Academy Jaipur	Pinaz Jain	Nike Technologies, Singapore
Madhusudan Kularia	Mindlance tech solution	Indra Kumar Gautam	Accenture UK
Minal Mathur	Syntel	Anil kumar sharma	Arden tele services
Ashok Kumar	batar Ministry of labour and employment	Subhash Parihar	BSNL
Raja Ram Mahiya	Education department	Saurabh Katariya	VMC institute, Achiever academy
Bajarang lal bana	शासन स चवालय, जयपुर	Akshay Sethi	Etihad Airways, Abu Dhabi
Abhrajyoti Banerjee	Bank of Baroda	Amit Kumar Ltd	DVIO Digital Pvt
Honika Pareek	Infosys	Dinesh Kumar Yadav	CBIC
Ramesh Kumar	Cairn Oil and Gas	Roshan Mani	Sysnet Global Technologies Pvt. Ltd.
chhavi sharma	Tata Consultancy services	Ajay vyas	GMT group
Santosh Kumar	INDIAN RAILWAY	Shivraj singh shekhawat	Govt. Of india
Durgesh Godara	Bank of baroda	Mohit Pareek	Madras School of Economics, Chennai
Sonali mittal	Appcino technologies, Jaipur	Swagta Kumari Sheoran	PwC


And Many More

Events & Gallery





5.3 MECHANICAL ENGINEERING DEPARTMENT



VISION

The department is committed to produce dedicated engineers, who are competent enough to fulfill technological and social needs of the nation.

MISSION

- To impart quality education in the area of Mechanical Engineering and provide skillful training to faculty, staff and students.
- To bridge the industry academia gap by providing domain specific knowledge that suits the industrial requirements.
- To inculcate the feeling of integrity with humanity in the minds of students to serve the society for betterment.
- To create supportive environment for self-learning.

DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT


Mechanical Engineering is an engineering discipline that involves the application of principles of analysis, design, manufacturing, and maintenance of mechanical systems.

Department of Mechanical Engineering is one of the founder department of institute, was established in 2008 to provide quality education to meet the growing requirement of industry and academics. Department is equipped with excellent infrastructure, state of the art laboratories, experienced and highly qualified faculties.

The comprehensive course curriculum and intensive practical training enables students to take on the challenges of broad ranging roles in various departments across a wide spectrum of industries.

COURSES OFFERED

B.Tech: Mechanical Engineering (60 Seats)
M. Tech: Machine Design (18 Seats)

	SALIENT FEATURES	KEY LAB EQUIPMENT	RECRUITERS
	<p>Free of cost GATE Classes by faculty of leading coaching institutes</p> <p>Industry visit and frequent expert lectures by faculties of various IITs</p> <p>Experienced and highly qualified faculties.</p> <p>Excellent infrastructure with state of the art laboratories.</p> <p>Smart Classrooms</p> <p>Online classes during global pandemic COVID-19</p> <p>Student internship at IITs and leading industries.</p> <p>Extra curricular development through various out of class activities.</p> <p>CCTV surveillance and fully WIFI campus</p>	<p>High Precision CNC Machining Center</p> <p>Six Axis Robot</p> <p>Microscopic Profile Projector</p> <p>Crucible Furnace</p> <p>High Performance Computation Lab</p> <p>State of the art turning, grinding and milling center</p> <p>High performance CNC machining simulator</p>	

	FACULTY PROFILE					
		<p>Dr. Rajesh Kr. Ojha (Assistant Professor) Ph.D (IIT Guwahati)</p>		<p>Parbant Singh Sandhu (Assistant Professor) Ph.D Pursuing (IIT Roorkee)</p>		<p>Amit Mathur (Assistant Professor) Ph.D Pursuing (IIT Roorkee)</p>
		<p>Madan Lal Siyag (Assistant Professor) M.Tech (IIT Delhi)</p>		<p>Ram Shravan (Assistant Professor) M.Tech (MNIT Jaipur)</p>		<p>Nabal Singh (Assistant Professor) M.Tech (IIT Bombay)</p>
		<p>Dr. Guruveer Singh (Assistant Professor) Ph.D (IIT Jodhpur)</p>		<p>Sajjan Singh Bajiya (Assistant Professor) M.Tech (NIT Warangal)</p>		<p>Suneel Kumar Chauhan (Assistant Professor) M.Tech (NIT Kurukshatra)</p>



KEY LABS

- CNC and Robotics Lab
- Thermal Engineering Lab
- Mechanical Workshop
- Turbo machines Lab
- IC Engine Lab
- Vibration Engineering Lab
- CAD Lab
- Dynamics of Machines Lab
- Heat Transfer Lab
- Production Engineering Lab
- Basic Mechanical Engineering Lab



NOTABLE ALUMNI OF DEPARTMENT

2008-12 Batch

Bharat Tanwar- AEN at PHED
 Aditya Shrimali- AEN at PHED
 Dhanesh Tanwar- J.E. (STPS)
 Gaurav Singh- SRF (IIT Ropar)
 Jitendra Kr. Verma- J.E. (RSRTC)
 Puranmal Kumawat - J.E.(RSRTC)
 Vikram Saini- SC(Indian Railways)
 Suresh Godara- SI (RTO)
 Sitaram Meena - JE(STPS)
 Manish Yadav- AM(Volvo)
 Devender Singh-AM (Bridgestone)
 Kuldeep Lata- AM (L&T)
 Pramod Chaturvedi-SE(Adani Group)
 Dheeraj Sharma- PE (HCL)
 Mishyu shah- ACG Cement
 Shubham Gupta- TCS

2009-13 Batch

Rachana Arya - Lecturer, Govt. Polytechnic College
 Richa Singhal - Lecturer, Govt Polytechnic College
 Ashok Dewanda - Assistant Manager at Central Bank of India
 Nitin Bhati - Engineer Indian Railways
 Durga Prasad Sharma - Scientific Officer, NPCIL
 Bhikharam Prajapat - BPCL
 Ashish Jangid - Senior Section Engineer , Indian Railways
 Kuldeep Dhillon - JEN , Suratgarh thermal power plant
 Lokendra Singh Choudhary- ordance factory

2010-14 Batch

Rakesh swami- Lecturer (tech. edu.)
 Jaswant kumawat- Lecturer- tech.edu
 Rishabh danwar- J.En.(powerplant)
 Girraj meena- J.En.(powerplant)
 Lakshita chaturvedi- A.En. powerplant)
 Sanju- J.En(powerplant)
 Shivangi jain- Inspector (RTO)
 Dharmendra choudhary- JE(railways)
 Rohit koli- JE(railways)
 Rinku meena- SSE(railway)
 Bhupendra singh choudhary- JE(railways)
 Deepak singh- examiner(patent office)
 Ravindra beniwal- BIS
 and many more

FOR ADMISSION QUERY

Contact 8638690153 9571913462

Email @ mechanical@cet-gov.ac.in

Visit @ www.cet-gov.ac.in
 www.btu.ac.in

Scan & Enquire



Crafting and Design by Madan Siyag

5.4 COMPUTER SCIENCE ENGINEERING DEPARTMENT



University College of Engineering & Technology

Constituent College of Bikaner Technical University

Karni Industrial Area, Pugal Road, Bikaner, Raajsthan, 334004

cet-gov.ac.in

About Department

The Department of Computer Science & Engineering at UCET Bikaner came into existence in 2007. With maximum intake of students, this department believes in an intellectual learning environment to encourage research. The degree programs offered by the Department are B.Tech. (Computer Science & Engineering) and M.Tech. in Data Science.



Vision

To be recognized for quality technical education in the field of computer science and engineering by striving to develop in-depth technical skills, entrepreneurship skills and high ethical values for fulfilling progressive global needs of society.

Mission

- To impart quality and value-based education to solve real world problems towards the need of society.

- To encourage entrepreneurship by motivating innovative thinking along with the development of leadership and ethical qualities.

- To identify challenges in the field of computer science and engineering and impart relevant education to set benchmark for engineering education.

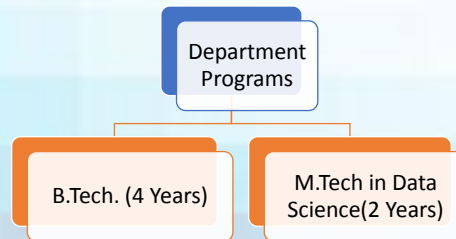


Head of Department's Message



Ms. Sunita Choudhary

Welcome to the Department of Computer Science & Engineering. I am happy that you have chosen to find out more about our department. We recognize that this brochure is designed for a wide range of people who often seek specific information.



Salient Features

Placement Cell	Industry Interaction	Internship Opportunities	GATE Classes
Digital Classrooms	Employability Skills Enhancement	SWAYAM Prabha and MOOCs	Virtual Labs and Online Teaching
High Performance Labs with Licensed Softwares	Department Library	Online Journals/ E-resources	Secure and High Speed Networking facilities

C.S.E., U.C.E.T. Bikaner

Faculty Members



Dr. Ajeet Singh Poonia
(Associate Professor)



Mr. Devendra Tiwari
(Assistant Professor)



Mr. Laxman Singh Khangarot
(Assistant Professor)



Mr. Kapil Pandey
(Assistant Professor)



Dr. Dharmendra Yadav
(Assistant Professor)



Mr. Abhishek Purohit
(Assistant Professor)



Ms. Neeraj Choudhary
(Assistant Professor)



Mr. Kartar Singh Siddharth
(Assistant Professor)



Mr. Jai Bhaskar
(Assistant Professor)



Mr. Sandeep Kumar
(Assistant Professor)



Ms. Gagandeep Kaur
(Assistant Professor)



Mr. Devender Daila
(Assistant Professor)



Ms. Deepika Navani
(Assistant Professor)



C.S.E., U.C.E.T. Bikaner

Notable Alumni

Mr. Amit Kumar Modi, Celebrus Capital Ltd.	Mr. Abhimanyu Dixit, Oracle	Mr. Aakash Sharma, Google Inc.
Mr. Khushwant Bishnoi, GlobalLogics Pvt. Ltd.	Mr. Sumit Panwar, DMRC	Mr. Jignesh Sharma, Amazon Inc.
Mr. Dharpal Saini, WIPRO	Mr. Jai Shankar Acharya, Indian Air Force	Mr. Akshay Sharma, McKinsey and Company
Ms. Veenu Gehlot, Maruti Suzuki India Ltd.	Ms. Namrata Saraswat, Ample Technologies	Ms. Pinky, Tata Motors
Mr. Dinesh Chotiya, Microsoft	Mr. Vinay Verma, Accenture	Mr. Piyush Jain, Deloitte
	Mr. Abhinav Mishra, InstaMojo	

GATE 2020 Star Performers

Parbat Singh	Dushyant Mehta
Neeraj Singh	Shailendra Singh Rathore
Nitesh Nama	

GATE 2019 Star Performers

Niranjn Borawar	Karishma Panwar
Hitesh Yadav	Hemant Kumar
Ashish Kumar	Gaurav Mangal
Vikas Acharya	

C.S.E., U.C.E.T. Bikaner

Events & Gallery

Contact Us



9828506214
9414512492
7665554333
8058750369

Scan & Inquire



or
Click on

<https://forms.gle/8USoiWV6UknX2MHo8>



C.S.E., U.C.E.T. Bikaner

5.5 CIVIL ENGINEERING DEPARTMENT

Head of Department's Message



Dr. Pratibha Choudhary

It gives me profound pleasure and pride to explore a remarkable education world in the Department of Civil Engineering. It has been our Endeavour, right from the beginning, to make our department a preferred destination for students who want to get to the top of this field. We aspire to mould our students into globally competent and well chiseled Civil Engineers who can meet the challenges of technological advancement. All efforts are also being made to inculcate social values and

professional ethics in our students to face the current as well as future global standards. A well-qualified and competent faculty with well equipped labs are committed to provide an excellent teaching methodology for nurturing the students into excellent engineers as well as good human beings.. I will be happy to answer any questions you might have about our department, the University College of Engineering & Technology Bikaner

About Department

The B. Tech Civil Engineering programme is an important programme in the School of Civil Engineering. This Under-graduate programme is steered by different faculty members with their highest degree from various reputed institutes such as IITs, NITs and other reputed College across the country. Besides high quality teaching and instruction, Faculty members of the department are actively involved in executing a number of R&D and consultancy projects from Government agencies, reputed Corporate and other private institutes and organizations. It imparts mastery to the students in the field of civil engineering along with fluency in mathematics, physics, instrumentation, computers, management and economics. Student explore the knowledge and gain practical experience from field visits to industries, Dams, Irrigation structures, Power Plants, Construction sites etc.

Department of CE offers Courses Offered

Post-Graduate (PG) – M.Tech. in Geotechnical Under-Graduate (UG)- B.Tech. in Civil

M. Tech. in Geotechnical Engineering is a 2-year full-time post-graduate course divided across 4 semesters. This branch of engineering involves the application of principles of soil mechanics and rock mechanics for investigation and study of subsurface materials and conditions.

B.Tech in Civil Engineering is a traditional field of engineering and deals with the study of designing and structuring of buildings, bridges, roads, dams, etc. If pursued from a recognized college, civil engineering can offer some of the most lucrative jobs in the technology sector

Facilities & Services:

Cutting-edge laboratories & facilities

Students have access to every facility in the form of well-equipped labs covering 12,000 sq ft, which serve to the students and faculty

to carry out the academic course experiments, research work, Project based research, R&D and consultancy work. The state of the art Laboratories includes:

- Structural lab
- Construction Material Testing
- Computer Aided Design Lab
- Geotechnical Lab
- Concrete Technology Lab
- Strength of Materials and fluid lab

Major Equipment /Software

Staad Pro
V8i,
AutoCAD ,
Universal Testing machine,
Compression Testing machine,
Standard

Penetration
Equipment,
Digital
Theodolite,
Triaxial
Machine
, Total
station,
Triaxial
machine
,
Automatic
Mould
Ejector

- Lecture halls equipped with smart
- Employability Skills
- Free GATE classes.
- Access to SWAYAM-Prabha room to utilize SWAYAM MOOCs.
- Internship opportunities at IITs/NITs
- mentoring for students.

B.Tech in Civil @UCET

- Highly qualified Faculties, Ph.D. & M.Tech. from various IITs/NITs
- Research Lab
- Students achieved good rank in GATE exam with academic activities
- Collaboration with Industries, CFTIs & NITs

Departmental Activities:

- Expert lectures from various NITs, IITs, and industries on emerging topics related to civil engineering
- Uses of NPTEL, Spoken tutorials, Virtual labs, etc.
- Makeup classes and remedial classes were also taken.
- 8 Day National Workshop on "Universal Human Values and Professional Ethics"
- 2 Day National Workshop on "clean and


Positive living".

- One Week survey camp for students in each semester
- Conducted two week professional training on “latest Software Tools for Engineering and Sciences”

through as per TEQIP III.

- 3 days site visit of B.Tech Students of various Government Projects
- Participation of Students in different activities organized by IITs. NITs & CFTI.


Faculties:


Name	Dr. Pratibha Choudhary	Designation	HoD, Assistant Professor
Name of Highest Degree with Institute	Ph.D. JNVU		
Research Interests	Geotechnical Engineering		
Mobile No.	9414293426	Mail ID	pratibhacivil.cet@gmail.com
			

Name	Mrs. Karanjeet Kaur	Designation	Assistant Professor
Name of Highest Degree with Institute	M.Tech ,IIT delhi		
Research Interests	Transportation Engineering		
Mobile No.		Mail ID	karanjeetkaur@cet-gov.ac.in

Name	Mr. Natwar Singh	Designation	Assistant Professor
Name of Highest Degree with Institute	M.Tech, MNIT ,Jaipur		
Research Interests	Transportation Engineering		


Mobile No.	8058750369	Mail ID	nkadwasara@yahoo.com
			


Name	Mrs. Akshita Choudhary	Designation	Assistant Professor
Name of Highest Degree with Institute	M.Tech, MNIT,Jaipur		
Research Interests	Structural Engineering		
Mobile No.	9462383685	Mail ID	achoudhary85@gmail.com
			

Name	Mr. Ankur Rungta	Designation	Assistant Professor
Name of Highest Degree with Institute	M.Tech. (NIT Hamirpur)		
Research Interests	Transportation Engineering		
Mobile No.	8960534985	Mail ID	arungta.ce@gmail.com
			

Name	Mr. Kuldeep Gusaiwal	Designation	Assistant Professor
Name of Highest Degree with Institute	M.tech IIT Roorkee		
Research Interests	Geotechnical Engineering		

Mobile No.	9024723459	Mail ID	Kuldeep1210299@gmail.com
-------------------	------------	----------------	------------------------------------------------------------------------

Name	Mr. Magraj Gehlot	Designation	Assistant Professor
Name of Highest Degree with Institute	M.Tech, IIT Madras		
Research Interests	Construction Technology & Management		
Mobile No.	9080275922	Mail ID	m.rajgehot@gmail.com
			

Name	Mr. Kuldeep Khichar	Designation	Assistant professor
Name of Highest Degree with Institute	M. Tech. IIT Roorkee		
Research Interests	Geotechnical Engineering		
Mobile No.	8266057095	Mail ID	kuldeepk7879@gmail.com
			

Name	Ms. Pusphlata Meena	Designation	Assistant professor
Name of Highest Degree with Institute	M. Tech. MANIT		
Research Interests	Geotechnical Engineering		
Mobile No.	9716000947	Mail ID	pushplatamn8@gmail.com







5.6 ELECTRICAL ENGINEERING DEPARTMENT



The Department of Electrical Engineering came into existence in the year 2010 offering B.Tech. degree in Electrical Engineering with a intake of 60 students. The department will be flourished in all respects and is being now full fledging with competent, experienced and dedicated faculty and well-equipped laboratories with facilities to cater to the all-round development of the students in process

<http://cet-gov.ac.in/web/department/electrical?ref=header#undefined5>

Reach Us: Department of Electrical Engineering, University College of Engineering & Technology, Bikaner Karni Industrial Area, Pugal Road, Bikaner – 334004


For more information for admission

REAP CODE :- 054

Email : proctor@cet-gov.ac.in

Contact : 0151-2250955

Fill google form for registration cum admission enquiry
<https://forms.gle/L2QWcXxmuMYyZ9BB9>
Contact or WhatsApp for more details :
9828506214, 9414512492, 7665554333, 8058750369, 9950451577 (MBA)



VISION

To empower students by imparting quality technical education and encouraging innovative ideas, meeting the needs of global expectations in the field of Electrical Engineering.

MISSION

- To facilitate students with quality technical tools and enable them to deal with industrial challenges.
- To motivate innovative ideas and provide knowledge, especially in the area of green energy to address socio-economic challenges

Program Educational Outcomes

- Understand the needs of the society and perform the act of delivery based on engineering principles, tools ethically.
- Be an active engineer in fields such as research and consultancy to be compatible with global demands.
- To be involved in lifelong learning which improve professional skills thereby help possessing appropriate professional attitude.
- Help students inculcate methods to deal with societal engineering issues keeping in mind the scope of renewable energy source and their economic bounds.

Short Range Goals

- To train students as competent Electrical Engineers to meet the requirements of industries.
- To strive for further improvement in academic performance of students.
- To improve placement of students.
- To closely monitor the progress of students. To inculcate human values and leadership qualities in the students.

- To enhance interaction with industries.
- To strengthen the alumni linkage for mutual benefit
- To organize bridge courses on areas relevant to industries.
- To update the knowledge of the faculty in emerging areas.
- To motivate the faculty to undertake research work.
- To depute the faculty and students for implant training to industries during vacation.
- To train the supporting technical staff.

Long Term Goals

- Achieve excellence in undergraduate education.
- To promote research activities in the areas of non-conventional energy generation and power systems.
- To have atleast 50% of faculty with doctoral degree in diverse areas.
- The students of the Department of Electrical and Electronics Engineering are trained to become quality engineers, with adequate stress being laid on their personality development, paper presentation in seminars, group discussions etc., are some of the activities carried out by students. They also undertake projects in various organizations such as BEL, BHEL, CPRI, HAL, ABB, PRDC, Prok Devices etc.
- The department undertakes testing of all varieties of electrical equipments like induction machines, transformers etc.

B. Tech programmes (duration 4 Years/ 8 Semester)

- Bachelor of Technology [B.Tech.] is a four-year undergraduate program. The Department of Electrical Engineering at UCET Bikaner is renowned for imparting state of the art undergraduate education. Department of Electrical Engineering offers **B. Tech (Electrical Engineering)**

M. Tech programmes (duration 2 Years/ 4 Semester)

Master of Technology is a Post-Graduate Program of two year for specialising in certain areas of Electrical Engineering. Department of Electrical Engineering offers M.Tech program in the **M.Tech-Power Systems**.

HOD's Messages



Mr. Vikas Bhalla

Assistant professor (M. Tech , B.E.)

University college of engineering and technology (UCET) Bikaner is a centre of erudition where we nurture young talents in Electrical Engineering. Our major emphasis is on imparting technical training to encourage curiosity and innovativeness among our students and lay a foundation from where they can acquire quick learning ability and adaptively with the fast-changing needs of the industry. Our campus is an exciting place to study and grow where thinkers become leaders and where there is a thirst for knowledge.

On behalf of our students and faculty, it is my privilege to welcome all of you to the Department of Electrical Engineering at University College of Engineering and Technology. We take pride in our faculty, a team of highly capable and dedicated professionals, most of whom have academic and industrial experience and degrees from leading universities of India. We provide ample opportunities to our faculty and students, through in-house trainings, workshops and trainings outside the college campus for further growth and development in their areas of expertise.

Faculties



Dr. Sanjay Kumar Bansal
Associate Professor
Ph.D,M.Tech(Hons.)



Mr. Sunil Kumar Baweja
Assistant Professor
B.tech.M.tech (IIT Roorkee)



Archana

- Assistant Professor (On Contract)
- Ph.d. MNIT (Pursuing)
- M.Tech., BIT Sindri



Mr. JanardanKundu

- Assistant Professor (On Contract)
- Ph.d. IEST(Pursuing)
- M.Tech., NIT Allahabad



Mr. Jithin Sukumaran

- Assistant Professor (On Contract)
- M.Tech. IIT Roorkee



Manikant Kumar

- Assistant Professor (On Contract)
- PhD: - MNIT Jaipur(Pursuing)
- Former research Scholar: - IIT Delhi
- M.Tech:- NIT Rourkela

Lab Details

Department of electrical engineering, UCET Bikaner has highly advanced laboratory equipment's with highly experienced lab technician. We have

- Power Electronics Lab
- Advance Power electronics Lab
- Power system Lab
- Electrical Machine Lab
- Smart Micro grid Lab
- Electrical Circuit Design Lab
- Computer lab
- And may more...

Smart Grid lab:

Smart Grid Lab is prototype of model evolution of Power system. The smart grids represent an unprecedented opportunity to move the energy industry in to new era of reliability, availability and efficiency that will contribute to our economics and environmental health. The benefit associate with smart grid include

- ❖ More efficiency transmission of electricity
- ❖ Quicker restoration of electricity after power disturbances
- ❖ Reduced operations and management costs for utilities and ultimately lower power costs for consumers.
- ❖ Improved security.
- ❖ Reduced peak demand, which will also help lower electricity rates.

Power Electronics Lab:

Power electronics is the application of solid –state electronics to the control and conversion of electrical power. Now a day's Power electronics engineer are at high demand due to renewable energy applications and its future demands. Our Lab consist of high quality power converters (AC-AC, AC-DC, DC-AC, DC-DC and different types of electrical machine control equipments.

Power system lab:

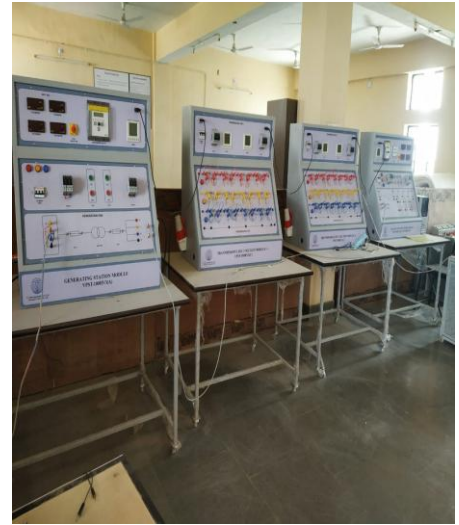
Power system Laboratory of Electrical Engineering department comprises of protection, simulation and power system planning related experiments. Facilities are available for overcurrent, under voltage, directional and differential including different numerical relays. Facility of Simulation of DC distribution by network analyser is available in the laboratory. Study based facilities are available for power system planning lab.

Electrical Machine Lab

Electrical Machines Laboratory of Electrical Engineering department comprises of load testing, regulation and estimation of parameters related experiments. DC shunt motors are available which provide the best speed regulation among DC motors. Transformers in Single and Three phase configurations are available. AC machines comprising of Synchronous and Induction motors are also available.

Control System Lab

Control System Lab in EE dept. is a well-equipped lab where many lab e.g: control lab, modelling and simulation lab, system programming lab, power system modeling and simulation lab runs on this lab. This lab has many computers with updated software's e.g: MATLAB, P Spice, Sequel.



Salient Features

- Full Fledged placement cell assisting personality development training and communication development classes.
- Regular industry interaction.
- Career opportunity seminars
- Regular counselling / mentoring for students.
- Employability Skills enhancement training.
- Free GATE classes
- Internship opportunities at IITs/NITs
- Access to SWAYAM-Prabha room to utilize SWAYAM MOOCs.

GATE (2019) qualified Students:

1. Babul Choudhary
2. Brijesh Kumar
3. Chetan Panwar
4. Nisha Choudhary
5. Rohit Sirwani

GATE (2020) qualified Students:

1. Saurabh Ranjan

Name of Alumni	Name of the organisation
Mithilesh Agarwal	Ajmer Vidyut Vitran Nigam
Bhupendra Singh	BSNL
Anoop Yadav	SBI
Hemant Patel	Jodhpur Discom
Laxman singh	RVNL
Khyali Ram Gurjar	ONGC
Mayank Gupta	Vimpson electrical private ltd
Ashish Rewari	Jen in JVVNL

Our alumni are proud to serve the nation by serving national/International company.



Departmental Events



Fig.1. Students during a workshop organised in department





Fig. Workshop for overall development of students

5.7 MBA Department

The department was incepted on July 2008 with the aim to provide young, enthusiastic minds the power to shape their career paths and influence change. In-depth knowledge, analytical rigor, rational thinking, commitment, ethics, cooperation, competition, and innovation are the core values of the department. The department believes in innovative pedagogy. The teaching processes and methods here will be extensive to include role- playing, videos, simulations, team exercises, outbound learning, problem solving, current issue analysis, industry interaction, project work, summer training, competitions, presentations and expert lectures.

FACILITIES

- Computer labs with 34 mpbs internet leaseline
- Library with more than 3000books.
- Well equipped SeminarHall.



MBA DEPARTMENT LABORATORIES

5.8 APPLIED SCIENCE & HUMANITIES

The department comprises sections of Applied Mathematics, Applied Physics, Applied Chemistry, Humanities. The department offers core courses in Applied Mathematics, Applied Physics, Applied Chemistry & Humanities (Management, Engineering, Economics, Organizational Behavior and Personnel Management)

5.8.1 PHYSICS

Physics is providing a sound science base for all engineering disciplines in their I and II semester. The courses are designed to serve the need for a particular branch of engineering. The department has well equipped labs for B.Tech. students where experiments are designed to broaden experimental skill related to various branches of engineering and technology.



PHYSICS DEPARTMENT LABORATORIES

5.8.2 CHEMISTRY & ENVIRONMENTAL SCIENCES

This subpart is providing a basic knowledge of applied chemistry to all branches of 1st B.Tech. The department has well equipped labs for B.Tech. Students where experiments are designed to broaden experimental skills related to various testing & titration of chemicals such as flash & fire point, viscosity, cloud & pour point etc



CHEMISTRY & ENVIRONMENTAL SCIENCES LABORATORIES

5.8.3 MATHEMATICS DEPARTMENT

This subpart is providing a basic knowledge of mathematics to all branches of 1st B.Tech.

5.8.4 ENGLISH & HUMANITIES DEPARTMENT

English imparts instructions to UG students of the various engineering disciplines and caters to their needs in the areas of English, technical communication and technical report writing.

5.9 PH.D. RESEARCH CENTRE

A congenial environment for the quality research where faculty and students can contribute substantially for the development is must in any institution. For this, the college has also marked as Ph.D. Research Center from BTU Bikaner in the stream of management. This center is concentrating on contemporary management and social sciences. The center has wide research resources and softwares for the quality research.

6. ACHIEVEMENTS IN TEQIP-III TILL JUNE 2020

6.1 DETAILS OF FUND RELEASE AND EXPENDITURE OF INSTITUTION

Project Life Allocation (InLakhs)	Expenditure Incurred (In Lakhs)	Percentage Expenditure
900	68655288	75.5

6.2 STATUS OF FUND ALLOCATED AND EXPENDITURE INCURRED TILL JUNE 2019

FUND ALLOTTED	FUND SANCTIONED	EXPENDITURE INCURRED
55144819(June)	55144819	27011078

6.3 GENERAL INFORMATION & PROGRESS REPORT:

Students Strength	848
Administrative Autonomy	Yes
NBA Accreditation	No*
Regular Faculty Strength	56
Number of Assistantship to PG Students	NA
Publication During Project Period	57
Education Qualification Enhancement of Faculty	6
Placement in %	62%

6.4 ACADEMIC PERFORMANCE OF THE INSTITUTION

Publication During Project Period	46
-----------------------------------	----

6.5 ACADEMIC ACTIVITIES ORGANISED BY THE INSTITUTION

International Conferences	1	
National Conference	NIL	
Seminars	NIL	
Short Term Courses	NIL	
Faculty Development Programme	2	
Workshop	6	
National Workshop	6	
Any other Activity	BOG's	4
	Industrial visit	4
	Gate class	109 Students
	Employability Skills	164 Students

6.6 FACULTY PARTICIPATION IN THE ACADEMIC ACTIVITIES BY THE INSTITUTION

International Conferences	15
National Conference	2
National Workshop	11
PDT	3
STC	3
IPR Training program	2
Twinning program	4
Visit	3
SWAYAM/ARPIT Course	12
Young Scientist meet	1

6.7 EXPERT LECTURES CONDUCTED FOR THE STUDENTS:

Expert lecture conducted	10
--------------------------	----

6.8 WORKSHOP ORGANISED IN THE INSTITUTE:

S.No	Title / Topic	Date
1.	NBA	02 Dec, 2019
2.	Synthesis and characterization of materials	14 Feb, 2020
3	Data Science	14/02/2020
4	Cyber Security	05/03/2020

6.9 NATIONAL WORKSHOPS ORGANISED IN THE INSTITUTE:

S.No	Title / Topic	Date
1.	Engineering Physics (JNTU & Physics dept)	26-27 Aug, 2019
2.	IoT and its applications	5-6 Sept, 2019
3.	Present and future challenges of ceramics & its refractories	16-18 Oct, 2019
4.	Cloud computing	14-15 Oct, 2019
5.	Modelling & Simulation of Power Electronics converters for renewable energy using MATLAB & Simulink	18-22 Feb, 2020

6.10 FACULTY DEVELOPMENT PROGRAM ORGANISED IN INSTITUTE

S.No	Title / Topic	Date
1.	Universal Human Values & Professional Ethics	5-13 July, 2019
2.	Universal Human Values & Professional Ethics	17-19 Dec, 2019

6.11 STAFF TRAINING PROGRAM

1.	Sumit Kumar	TE SDP	2-6 Dec, 2019
2.	Parmeshar Ojha	TE SDP	2-6 Dec, 2019
3.	Ranu Pathak	TE SDP	2-6 Dec, 2019
4.	Hansraj Bhambu	TE SDP	23-28 Dec, 2019
5.	Lokesh Choudhary	TE SDP	23-28 Dec, 2019

6.12 ANY OTHER ACTIVITY

S.No	Title / Topic	Date
1.	Training Program for Placements by T&P Department and JNTU, Anantpur	17-30 June 2019
2.	Placement drive by RVM CAD	03 Feb, 2020
3.	Placement drive by Arunaya Insurance Brokers	25 Jan, 2020
4.	Online summer Internship Program with JNTUACE	11 May 2020
5.	Half day awareness cum orientation program	04 March, 2020

6.13 FACULTY PARTICIPATION IN CONFERENCE/SEMINAR/STC/WORKSHOP:

International Conferences	15
National Conference	2
National Workshop	11
PDT	3
STC	3
IPR Training program	2
Expert Lecture	6
Twinning program	4
Visit	3
SWAYAM/ARPIT Course	12
Young Scientist meet	1

6.14 STUDENTS ACTIVITY

Activity	Topic	Venue	Date
WORKSHOP	Machine Learning	IIT Delhi	04-06 Oct, 2019
WORKSHOP	Matlab & Image processing	IIT Delhi	3-6 Oct, 2019
Conference	SciPy 2019	IIT Bombay	29-30 Nov
WORKSHOP	Rendezvous 2019	IIT Delhi	4-5 Oct
Technical Event	Automobile workshop	IIT Roorkee	18-20 Oct 2019
WORKSHOP	Rendezvous 2019	IIT Delhi	03-05 Oct, 2019
WORKSHOP	Lean construction technology	NICMAR, Pune	14-16 Nov, 2019
WORKSHOP	Raspberri PI	IIT Guwahati	31-1 Sept, 2019
WORKSHOP	Thomso-2019	IIT Roorkee	18-20 Oct, 2019
WORKSHOP	Power Electronics Converter in Grid Integration	MNIT, Jaipur	27-31 Dec
WORKSHOP	Design a solar PV plant	IIT Bombay	4-5 Jan, 2020
Int. Conference	SMST 2020	Goa	22-25 Feb 2020
WORKSHOP	Tech Fest	IIT Bombay	
WORKSHOP	Tech Fest	IIT Bombay	04-05 Jan
WORKSHOP	Tech Fest	IIT Madras	25-26 Jan, 2020
WORKSHOP	Tech Fest	IIT Madras	25-26 Jan, 2020
WORKSHOP	Tech Fest	IIT Roorkee	14/02/2020
One day meet up	Out Systems Technology	UCET Bikaner	29/02/2020
SWAYAM Course	Principles of construction management		
SWAYAM Course	Principles of construction management & Structure Analysis-I		

6.15 PROCUREMENT TILL JUNE 2020:

A. TRANSITION RATE- 50%

B. BoG- 4

C. TWINNING SCORE- 1.3

D. GATE- 2020 score increased from 14% to 16%

List of Students qualified in GATE 2020

University College of Engineering & Technology, Bikaner

S.NO.	Name	Gender	Branch	GATE Registration Number	AIR	Photo
1	Samrul Hoda	Male	CE	CE20S73003090	2845	
2	Jay Saran	Male	CE	CE20S83003009	447	
3	ASHISH SWAMI	Male	CE	CE20S83003037	260	
4	Praveen Rajpurohit	Male	CE	CE20S73003071	3575	
5	SHIVANGI KADYAN	Female	CE	CE20S83003090	6673	
6	Saurav Kumar	Male	CE		5087	
7	Yogesh Kumar Mahawer	Male	CE	CE20S83003043	36388	

8	HUKMA RAM	Male	CE	CE20S83003067	20161	
9	Shubham Singhal	Male	CE	CE20S83003034	16472	
10	Parbat Singh	Male	CS	CS20S63003117	12686	
11	DUSHYAN T MEHTA	Male	CS	CS20S63003117	12320	 DUSHYANT MEHTA
12	Neeraj Singh	Male	CS	CS20S63003006	16273	
13	Shailendra Singh Rathore	Male	CS	CS20S63003115	7326	
14	Nilesh Nama	Male	CS	CS20S6300	1932	

15	Saurabh Ranjan	Male	EE	EE20S53003112	1630	
16	Jayesh Gupta	Male	ME	ME20S23003145	14516	 JAYESH GUPTA
17	Naveen Suthar	Male	ME	ME20S13003081	11793	
18	Omkar Mishra	Male	ME	ME20S23093083	16391	
19	Karan Kumar	Male	ME	ME20S13049011	14674	
20	Ashish Bajiya	Male	ME	ME20S13049011	19350	

GALLERY

GLIMPSE OF ACTIVITIES CONDUCTED AT UCET

Session: 2019-20

Awareness cum Orientation Program on NISP



“Shankara Hackathon” to create something new.
FirstRunner up



Placement Activities



Techfest “ABHIVYAKTI-2020”





MODEL EXHIBITION OF MIRAGE 2000 & BOFORS TANK.



INDUCTION PROGRAM 2020





ART OF LIVINF DURING INDUCTION PROGRAM (SELP)



AKSHAY PATRA (SELP)



SPORTS DURING INDUCTION



KARNI MATA VISIT DURING INDUCTION PROGRAM



VALIDATION PROGRAM of INDUCTION



National Workshop On “ Internet of things & Its real Time Application”.With Mentor institute JNTUACE, Anaptura under Twinning Activity



ONE STUDENT ONE TREE CAMPAIGN



EXPERT LECTURES



BLOOD DONATION CAMP



CONVOCATION

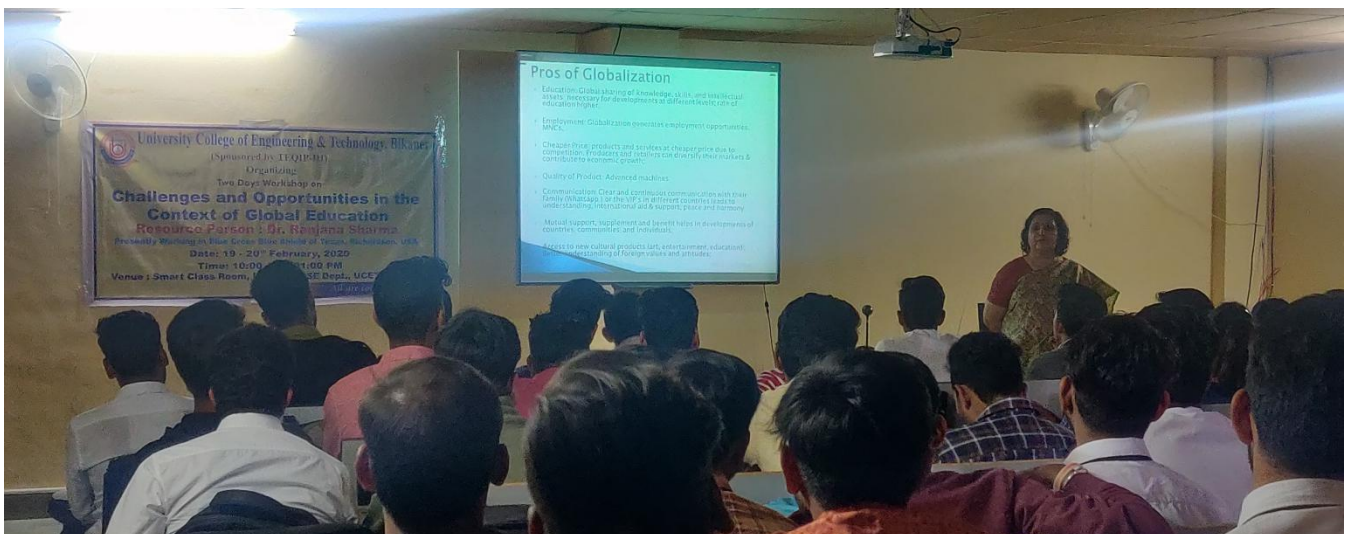




SWAYAM PRABHA- LIVE PM NARENDER MODI



2 DAYS WORKSHOP on CHALLENGES & OPPORTUNITY IN THE CONTEXT ON GLOBAL EDUCATIONS



3DAYS WORKSHOP ON ROBOTICS & VLSI DESIGN



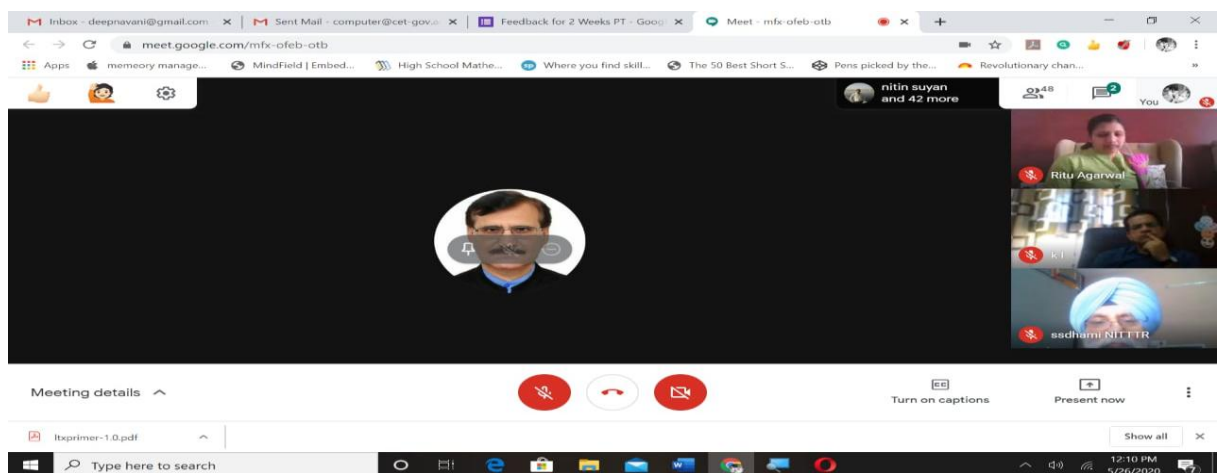
5 DAYS NATIONAL WORKSHOP ON MODELLING AND SIMULATION OF POWER ELECTRONICS CONVERTORS FOR RENEWABLE ENERGY

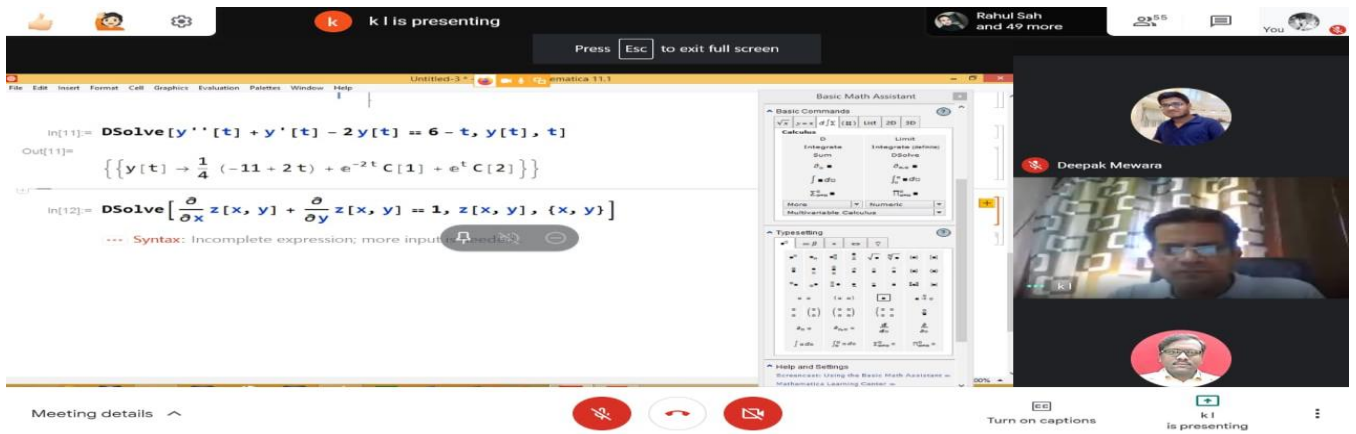


E Conference on Human Values-Post COVID19



2 WEEK ONLINE Professional Training on LATEST SOFTWARE TOOLS FOR ENGINEERING and SCIENCES





TINKERING LAB

