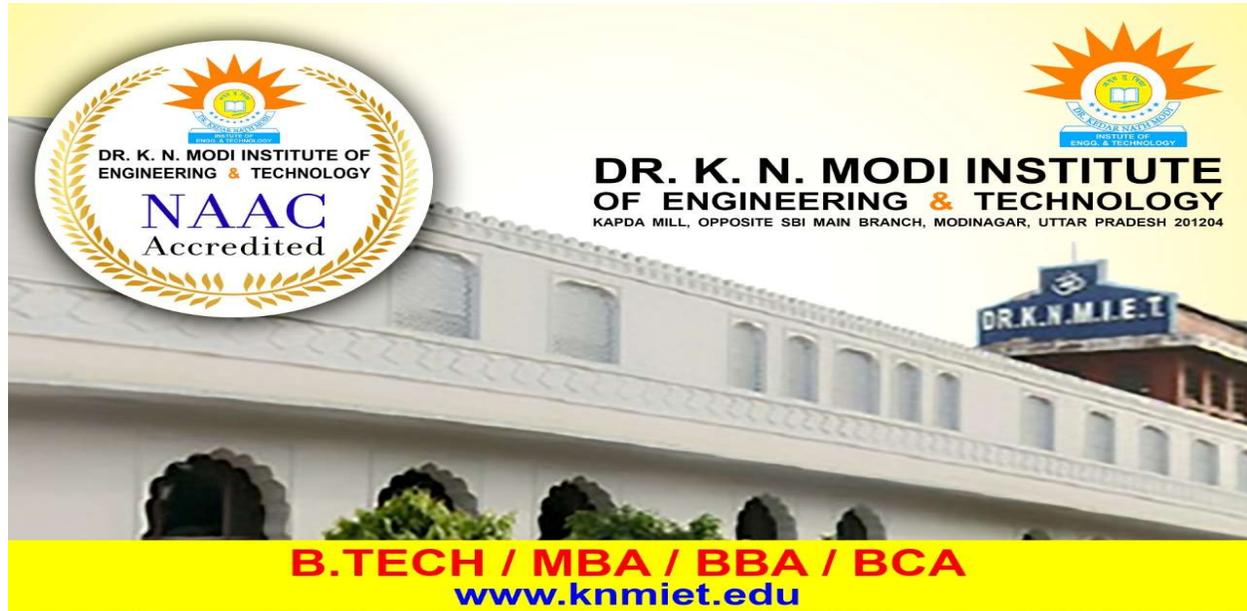


# \*MANDATORY DISCLOSURE\*



NBA Accreditation Status	
Programmes/ Courses Accredited	ME (2016-2019)

NAAC Accreditation Status	
Accredited on 18.01.2022 Valid upto 17.01.2027	Grade: B, Score:2.17,

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## 1. BRIEF PROFILE:

- a. Name of the Institute : Dr. K.N. Modi Institute of Engineering & Technology, Modinagar, Ghaziabad.
- b. Name of the Promoting Body : Dr. K.N. Modi Institute of Pharmaceutical Education & Research Trust, Modinagar, Ghaziabad.
- c. Site of the College : Delhi-Meerut Road, Opp. SBI (Main Branch), Cloth Mill Campus, Modinagar-201201.

Phone No. +91-7251000536

Fax:

email: [director@knmiet.edu](mailto:director@knmiet.edu)

website: [www.knmiet.edu](http://www.knmiet.edu)

- d. Year of Establishment : 1995
- e. Vision

To elevate the Dr. Kadar Nath Modi Institute of Engineering and Technology to become a preferred destination not only in the state of Uttar Pradesh but also in whole of India and finally globally for high quality and value based technical education, where it will be part of education to foster in the student the ability to apply what they learn, believe in the lifelong learning and dedicate themselves to work for the common good.

- f. Mission

We strive to bestow our students with scholastic attitude, spirit of scientific enquiry, personal & professional integrity, knowledge of cutting-edge technologies, passion for the service of the mankind through competent

faculty, adequate infrastructure, and conducive academic environment for achieving and sustaining excellence in engineering & allied areas, meaningful interaction with industry and all-round progress of our nation.

## **2. NAME & ADDRESS OF THE DIRECTOR**

### **DIRECTOR**

Dr. Ajit Kumar Singh  
Ph.D. (Computer Science & Engineering)  
(M) 8791082234  
email: [director@knmiet.edu](mailto:director@knmiet.edu)

## **3. NAME OF THE AFFILIATING UNIVERSITY**

Dr. A.P.J. Abdul Kalam Technical University  
Sector-11, Jankipuram Vistar,  
Lucknow, Uttar Pradesh  
Pin Code – 226003.

## **4. GOVERNANCE**

### **SOCIETY MEMBERS**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>
1.	Dr. D.K. Modi	Chairman
2.	Smt. Renu Modi	Member
3.	Mr. Manav Modi	Member
4.	Mr. S.K. Nair	Member
5.	Mr. Tarun Jain	Secretary
6.	Mr. Sandeep Kr Yadav	Member

### **Details of Educational activity done by the Promotion Body in the past**

Some of the members of Dr. KNMIPER Trust are also associated with one more Technical Institutions.

- Dr. K.N. Modi Institute of Pharmaceutical Education & Research, Modinagar

- **Members of Academic Governing Council**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>
1.	Dr. D.K. Modi	Chairman
2.	Smt. Renu Modi	Member
3.	Mr. Manav Modi	Member
4.	Mr. S.K. Nair	Member
5.	Mr. Tarun Jain	Secretary
6.	Mr. Sandeep Kr Yadav	Member

- **Frequency of the Board Meetings and Academic Advisory meeting**

Board meeting is regularly held half yearly and Academy Advisory Body meeting is regularly held every quarterly.

- **Organization Chart and Processes**

<b>S.No.</b>	<b>Name</b>	<b>Position</b>
1	Dr. D. K. Modi	President
2	Capt. Rajeev Saxena	Vice President
3	Mr. Tarun Jain	Secretary
4	Mr. Meghraj Sharma	Administrator
5	Mr. U. N. Mishra	Registrar
6	Dr. Ajit Kumar Singh	Director
7	Mr. Sandeep Kumar Yadav	Chief Finance Officer
8	Mr. Hari Om Sharma	HR Head
9	Mr. Anuj Tiwari	IT head
10	HODs	All departments
11	Faculty & staff	All departments

**Responsibilities & Functioning**

<b>Position</b>	<b>Function</b>
President	Approving authority

Vice President	Responsible for administration and all working in the absence of President
Secretary	Signing authority for all document communication with organizations like AICTE, University etc.
Administrator	Responsible for overall administrative work.
Registrar	Responsible for preparation, communication of documents for approvals from External bodies like AICTE, University and also for student enrollment, University results etc.
Director	Responsible for overall working of the institute
Chief Finance Officer	Responsible for income, expenditure, budget and accounts related issues of the institute
H R Head	Responsible for Recruitment process, Manpower Management, Salaries, Leave management etc.
I.T head	Responsible for connectivity of Internet, Wi-fi, Computer systems, hardware and software and also related accessories
HOD's of Dept/	Responsible for overall academic activities including discipline at departmental level
Faculty & Staff	Responsible for discipline, performance and other academic related issues in their subjects.

- **Nature and Extent of involvement of faculty and students in academic affairs/improvements:**

Primary role of key persons like Director, Head of Departments, Professors etc. is to ensure that quality education is imparted in true spirit in consonance with the policies of AICTE, University and Dr. KNMIPER Trust. They are continually involved in evolving new strategies to improve the teaching learning process in order to produce students with ability to apply what they learn, believe in lifelong learning and dedicated themselves to work for the apply what they learn, believe in lifelong learning and dedicated themselves to work for the common good.

Senior key persons are responsible for –

- i) Ensuring overall discipline.
- ii) Maintaining a conducive learning environment.

- iii) Delegate powers to subordinates.
- iv) Nurture the young faculty.
- v) Build a well-knit team.
- vi) Develop industry contacts.

Every department of the institute has departmental Club which conduct & organize seminars, workshops & colloque. These clubs provide a high level of interaction between students & faculty and often an inter-departmental interaction. These have resulted in ideas emanating towards the improvement of the department. Further, regular departmental meetings chaired by HODs- result in concrete suggestions.

- **Mechanism/Norms & Procedure for democratic/Good Governance:**

Dr. KNMIET governed on the well-established practices of governance followed hitherto by Dr. KNMIPER Trust. Under this system, the Board of Governors/Governing council lays down the policies. The Governing Council comprises the management representatives, academicians of repute in the concerned field, noted scholars having institution building experience and finally the representatives of the industry. The progress of the institute reviewed regularly by convening the governing council meetings and directions given to correct the course of action in case of any deviations and provide guidance to the future plans. The institute has a high level of delegation of powers whereby the HODs organize and run their departments with free hand.

- **Student Feedback on Institutional Governance/Faculty Performance:**

We are in practice to taking Student Feedback in every six months to improve the Institutional Governance/faculty performance through online ERP based system. Feedback system is designed for constant improvement of teaching learning process.

- **Grievance Redressal Mechanism for faculty, staff and students:**

The institute has a high level committee to look into disciplinary cases and grievances of faculty, staff and students. The committee is headed by Senior Professors and Faculty members from different departments. The cases are first viewed by the HOD and thereafter if it is beyond their level the cases are forward to the committee. Even the individual may put up their cases in the committee directly. Then the committee puts up their recommendations/

suggestion to the higher authority to take decisions. The existing system is quite effective. Further, there is a tradition in our Institute wherein any faculty/staff member or a student can directly meet the Director of the Institute.

Further, we have an online grievance redressal mechanism linked on our websites.

- **Establishment of Anti Ragging Committee:** YES
- **Establishment of Grievance Redressal Committee in the Institution and appointment of OMBUDSMAN by the University:** YES
- **Establishment of Internal Complaint Committee (ICC):** YES
- **Establishment of Committee for SC/ST:** YES
- **Internal Quality Assurance Cell:** YES

## 5. PROGRAMMES

- **Name of the Programs approved by the AICTE**

<b>Courses</b>	<b>Seats</b>	<b>Duration</b>	<b>Entry Level</b>	<b>Fee</b>
<b>Under Graduate B.Tech:</b>				
Chemical Engg.	60	4 Years	10+2	101760/-
Computer Science & Engg.	120	4 Years	10+2	101760/-
Information Technology	60	4 Years	10+2	101760/-
Electrical Engg.	60	4 Years	10+2	101760/-
Electronics & Commn. Engg.	60	4 Years	10+2	101760/-
Mechanical Engg.	120	4 Years	10+2	101760/-
Civil Engg.	60	4 Years	10+2	101760/-
<b>Post Graduate: MBA</b>				
MBA	60	2 year	Graduation	101760/-

- **Name of Program Accredited by NBA:** Mechanical Engineering (2016-19)
- **Last Rank for Admission during last three years**

<b>Courses</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>
<b>Under Graduate B.Tech:</b>			
Chemical Engg.	459225	49420	30978
Computer Science & Engg.	747917	72717	70822
Information Technology	-	-	-
Electrical Engg.	-	-	71078
Electronics & Commn. Engg.	-	-	-
Mechanical Engg.	-	-	-
Civil Engg.	-	-	45845

<b>Post Graduate:</b>			
MBA	51115	48771	-

- **Placement Facilities**

The institution has a full-fledged Training & Placement Deptt. Headed by Mr. Nidheesh Sharma. He is in continuous touch with the industry & has been able to get 'A' grade MNCs to visit the institute and also arrange OFF campus placement. He is assisted by the following:

- Mr. Pratik Kumar Dubey
- Mr. Navneet Deval
- Mr. Ajay Kumar Chaudhary

- **Total No. of students placed by the Institution through its Placement Cell**

**Placement highlights for Academic session 2020-21**

S.No.	Index	Details
1	No. of eligible students in all UG courses	133
2	No. of eligible students in all PG courses	26
3	No. of placed students in all UG courses	92
4	No. of placed students in all PG courses	23
5	Highest salary package offered	10 LPA
6	Highest salary package achieved	6.50 LPA
7	Average salary package achieved	3.25 LPA
8	No. of company visited	55
9	Details of key recruiters with logo	As detailed below

**Tech Mahindra**



**OLA**



**Sapien**

**amazon**







- **Name and duration of program(s) having affiliation/collaboration with Foreign University(s) Institution(s) are being run in the same Campus along with the status of their AICTE approval.**  
----NIL----
- **Details of the Foreign Institute/University:** NIL
- **For each Collaborative/affiliated programme:** NIL
- **Whether the Collaborative Programme is approved by AICTE:** N.A.

## 6. FACULTY:

<b>Name of the Program UG &amp; PG</b>	<b>Total Sanctioned Intake</b>	<b>Total No. of Faculty Available as per requirement</b>
Chemical Engg.	120	6
Computer Science & Engg.	480	17
Information Technology	240	5
Electrical Engg.	240	7
Electronics & Commn. Engg.	240	11

Mechanical Engg.	480	15
Civil Engg.	240	12
Applied Sciences		31
MBA	120	7
<b>TOTAL</b>	<b>2160</b>	<b>111</b>

## 7. PROFILE OF DIRECTOR

Name : Dr. Ajit Kumar Singh

Date of Birth : 17.11.1985

Aadhar/Unique ID : 8259 2758 8609

Academic Qualification (with field of Specialization) : Ph.D. (Chemical Engineering), IIT Roorkee  
M.Tech. (Chemical Engg.), IIT Roorkee.

Total Experience : 12 Years

Area of Specialization : Chemical Engineering

Date of appointment in present institution : 12.09.2016

No. of papers published : 06 International Journal

## 8. FEE

- **Details of fees, as approved by the State Fee Fixation Committee, for the institution**

B.Tech, MBA Rs. 1,01,760/-

- **Time Schedule for payment of fee for the entire Programme:**

Charged half yearly in routine but also accepted in installments on demand.

- **Number of Scholarship offered by the institute:**

Institute has the following Scholarship Scheme for the Students:-

- ❖ University Toppers : Students coming in University Top Ten list are Given waiver of 100% Tuition Fee

- ❖ **Class Toppers** : The first and second position holders in the class are awarded a scholarship of Rs. 11000/- and Rs. 5000/- per year respectively.

Other scholarship schemes offered by Department of Social Welfare Govt. of India are also available for students belonging to SC/ST categories.

- **Estimated cost of Boarding and Lodging in Hotels**

Hostel Accommodation Charges : Rs. 60,000/- per year per student  
Mess Charges

- **Number of applications received during last two years for admission under Management Quota and number admitted.**

In last two years about \_\_\_\_\_ applications for B.Tech every year and about \_\_\_\_ applications for MBA in last year (First year) has been received for admission in Management Quota and \_\_\_\_ students in B.Tech and \_\_\_\_ students in MBA has been admitted respectively w.e.f. session 2016-17.

## 9. ADMISSION

- **Number of seat sanctioned course wise with students admitted.**

COURSE	UG/ PG	Code	AICTE Approved intake during last 4 years							
			2021-22		2020-21		2019-20		2018-19	
			Sanctioned Intake	Actual Admission	Sanctioned Intake	Actual Admission	Sanctioned Intake	Actual Admission	Sanctioned Intake	Actual Admission
C.S.E.	U.G.	10	120	24	120	38	120	44	120	54
E.C.E.	U.G.	31	60	0	60	0	60	1	60	4
E.E.	U.G.	20	60	1	60	3	60	7	60	9
C.H.E.	U.G.	51	30	3	30	2	30	3	30	3
M.E.	U.G.	40	120	1	120	3	120	4	120	4
I.T.	U.G.	13	30	0	60	1	60	9	60	1
Civil Engg.	U.G.	00	60	0	60	5	60	2	60	0
			<b>480</b>	<b>29</b>	<b>510</b>	<b>52</b>	<b>510</b>	<b>70</b>	<b>510</b>	<b>75</b>
MBA	P.G.	70	60	0	60	3	60	27	60	19

## 10. ADMISSION PROCEDURE:

- **Admission Test** : All the admissions are made through Joint Entrance Exam (JEE) Mains every year.  
Website: <https://jeemain.nta.nic.in>
- **Calendar for Admission in Management Quota:**
  - Last date of application for admission: First week of July every year depending upon the counseling by the JEE.
  - Last date for submission of application: Mid of July every year depending upon the University guideline in this respect.
  - Dates for announcing final results : Third week of July every year depending upon the University guidelines in this respect.
  - Release of Admission list : Within 2-3 days after announcing results.
  - Date for acceptance by the candidates: Within 1 week after releasing the admission list.
  - Last date for closing admission : 12<sup>th</sup> of August every year depending upon the guideline by the University in this respect.
  - Starting of Academic Session : 19 August every year subject to University guideline for the same.
  - Refund of fee in case of withdrawal : Till the admission is not confirmed by the Institute, any time candidate can be withdraw his/her Prov. Admission with refund of full fee deposited by him/her. After confirmation of the admission and acceptance, No fee shall be refund in case of withdrawal of admission by the candidate.

## 11. CRITERIA AND WEIGHTAGE FOR ADMISSION

- **Eligibility Criteria**

S.No.	Type of Programme	Duration (Full Time)	Minimum Qualification for Admission
1.	Engineering & Technology	4 Years	Should be a pass in 10+2 examination with Physics & Mathematics as compulsory subjects along with one of the following subjects: Chemistry/Biotechnology/Biology/Technical Vocational Subjects with minimum 50% (PCM)

Candidates have to appear in the Joint Entrance Exam called JEE apart from the qualification mentioned above to get admission.

S.No.	Type of Programme	Duration (Full Time)	Minimum Qualification for Admission
1.	MBA	2 Years	Any recognized Bachelor's Degree in any discipline of minimum 3 years duration with min. 55%

Candidates have to appear in the Joint Entrance Exam called JEE apart from the qualification mentioned above to get admission.

## 12. APPLICATION FORM FOR ADMISSION

Application form for admission is available on the website can be submitted online also after filling up the form.

## 13. LIST OF APPLICANTS

Admission will be done as per AKTU orders for session 2022-23.

## 14. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

- The admission committee comprising Director, Chief Admin. Officer, Deans, Registrar and General Secretary of the institute makes admissions under Management Quota seats according to the PCM merit at 10+2 level. The Director duly approves this.
- List of Students admitted against Management Quota/Vacant seats with their merit order under process & will be finalized as per AKTU/State Govt. order.
- Waiting List: Under Process & will be finalized.
- List of Candidates joined within the date: Under Process

## 15. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

Particulars	Course	Area	
		No. of Rooms	Available in the Institution (Sq.M.)
Class Rooms	B.Tech MBA	42	2960.78
Tutorial Hall	B.Tech	11	575.79

	MBA		
Drawing Hall	B.Tech	01	188.41
Computer Centre	B.Tech MBA	02	69.66 178.35
Library	B.Tech MBA	01	790
Laboratories & Workshops	B.Tech	60	4933.35

**TOTAL AVAILABLE INSTRUCTIONAL AREA: 12141.43 Sq M.**

#### 16. LIBRARY DETAILS:

The Dr.KNMIET Central Library has a very active learning ambience. It's fully linked with internet and ERP. All students, faculty members and employees of the Institute are entitled to make use of the Library facilities on taking library membership.

S.No	Library Space	As per AICTE	Actual
1.	Total Area	790sqm.	790sqm.
	<b>Seating Capacity</b>		
2	Reading Section	150	150
3	Staff seating		05
4.	Digital Library	--	01
	<b>Library Timing</b>		
5.	Week days		9:00AM to 08:00PM
6.	During Examination		8:00AM to 10:00PM
7.	Holidays	<b>Closed</b>	<b>Closed</b>
	<b>Library Uses</b>		
8.	No of books per day.	Check in check out	200 Users (Avg.)
9.	No. of Users	Visiting every day	200 Users(Avg)
10.	No. of Staff & Faculties	Visiting per day	20 (Avg)

## SERVICES AND FACILITIES

### Recent Additions to the Book

Monthly list of books added to the book collection of the Library is circulated to the Departments.

### Borrowing Facilities

The library members, according to their borrowing category, can borrow stipulated number of books at a time against their bar-coded patron card.

- ✓ **Internet Access/Online Journal & Database Access.**
- ✓ **DELNET**
- ✓ **Question Paper Onwards.**
- ✓ **Photocopying Facility**
- ✓ **Details of Library Books (B.Tech, MBA)**
- ✓ **Text Book and Book Bank Facility**

The Library maintains a separate collection of textbooks that are recommended by the concerned Departments for different courses offered at the Dr.KNMIET, Modinagar. Text books can be issued for a limited period 15 days, failing which an overdue charge per day per volume is charged.

S. No.	Deptt.	Number of Titles	Number of Volumes	Book bank volume
1.	CS	1140	15558	7872
2.	IT	656	9419	3002
3.	EE	642	8387	4256
4.	EC	706	9875	3652
5.	CHE	530	6713	3512
6.	ME	950	14293	8992

7.	Civil	159	4294	4044
8.	Ap. Sc.	405	5352	3080
9.	MBA	919	12118	5005
10.	MCA	632	7833	2047
	G.Total	6,739	93842	45462

### Hard copy Journals

National Journals      **30**

International            **10**

### ELECTRONIC RESOURCES

#### Digital Library

<b>DIGITAL LIBRARY.</b>	<b>YES</b>
<b>No. Of PCs With Internet Connectivity</b>	<b>12</b>
<b>Head Phone</b>	<b>12</b>
<b>DVD writer</b>	<b>12</b>
<b>Student Capacity</b>	<b>12</b>

#### Multimedia, Audio-Visual & Other Collections:

<b>Library Automation Software</b>	<b>ERP (Sonnet)</b>
------------------------------------	---------------------

<b>Library Computer</b>	<b>15</b>
<b>Bound Volumes</b>	<b>34</b>
<b>Magazines</b>	<b>06</b>
<b>News Papers</b>	<b>08</b>

[www.delnet.ac.in](http://www.delnet.ac.in)

<b>S.No</b>	<b>DELNET</b>	<b>Branch</b>	<b>No. of E-BOOKS</b>	<b>E-Journals</b>
1		CSE/IT	764	115
2.		ME	139	109
3.		CHE	76	33
5.		EEE/ECE	243	59
6.		CIVIL	66	68
7.		MBA	451	140
8.		Applied (General Tech.)		91

### **Infotrac Engineering, Science & CENGAGE LEARNING**

**URL:** [HTTP://infotrac.galegroup.com/itweb/knmodi/engg](http://infotrac.galegroup.com/itweb/knmodi/engg)

### **NPTEL, MOOCs, QEEE PPT/ Videos**

NPTEL Lectures & Videos:

Link <http://nptel.ac.in/video>

NPTEL PPT Lectures:

Link <http://nptel.ac.in> & <http://nptel.iitg.ernet.in>

QEEE

Link <http://pilot.edureform.iitm.ac.in>

MOOCs

Link [www.edx.org](http://www.edx.org) & [www.mooc.org](http://www.mooc.org)

### **For Competitive Examination.**

GATE:

Link <http://www.4shared.com> &

<http://gateforum.com/> & [www.nptel.ac.in](http://www.nptel.ac.in)

GRE

<http://www.4shared.com> & <http://gateforum.com/> & [www.nptel.ac.in](http://www.nptel.ac.in)

CAT

<http://www.4shared.com> & <http://gateforum.com/> & [www.nptel.ac.in](http://www.nptel.ac.in)

## 17. LABORATORY & WORKSHOP

Programme	Department	Name of the Laboratory	Lab / Major Equipments
ENGINEERING AND TECHNOLOGY	Electronics & Communication	PCB LAB	Photoresist Dip Coating Machine,UV Exposer,curing Machine, Winding Machine,Soldering Machine,
ENGINEERING AND TECHNOLOGY	Electronics & Communication	DIGITAL LOGIC DESIGN LAB	CRO, DMM & Function Generator,RS, JK, T and D flip-flops Kit,NAND & NOR gateskit,4x1 multiplexer Kit,4-bit parallel adder kit,4-bit synchronous counter kit,4-bit asynchronous counter kit
ENGINEERING AND TECHNOLOGY	Electronics & Communication	ELECTRONICS LAB	CRO, DMM & Function Generator,PN Junction diode- kit,Half & Full wave rectifierkit ,Zener diode characteristics kit,DIAC kit TRIAC Kit, SCR, Transistor Trainer Kit,
ENGINEERING AND TECHNOLOGY	Electronics & Communication	INTEGRATED CIRCUIT LAB	CRO, DMM & Function Generator, 555 Timer kit, Log Antilog Kit, ADC & DAC Kit, Op-amp Trainer, Filter Kit, Vto I & Ito V kit,Astable and monostablemultivibrator kit
ENGINEERING AND TECHNOLOGY	Electronics & Communication	COMMUNICATION LAB	CRO, DMM & Function Generator,DSB/SSB amplitude modulation kit, amplitude demodulation kit ,frequency modulation kit,PLL 565 kit, heterodyne receiver.FM radio receiver in 88-108 MHz
ENGINEERING AND TECHNOLOGY	Electronics & Communication	MICROPROCESSOR & MICROCONTROLLER LAB	8085/ 8086 Microprocessor Kit ,8 bit numbers using 8085/ 8086. Kit ,8085/8086 through RS-232 C port.DAC with 8085/ 8086

ENGINEERING AND TECHNOLOGY	Electronics & Communication	OPTICAL COMMUNICATION LAB	Cat5 cable , RJ 45 Connector , Crimping Tool , Wire Stripper, Pin No-1 on RJ 45, Configuring web and DHCP servers, Making a subnet and configuring router, Configuring VLAN, fiber optic analog link.
ENGINEERING AND TECHNOLOGY	Electronics & Communication	ELECTRONICS CIRCUIT DESIGN LAB	CRO, DMM & Function Generator, Universal op-amp based biquad, Universal OTA biquad, Amplitude control or stabilization, TTL/ CMOS Ics, analog multiplier/ divider, Op-amp/ OTA based function generator, Software
ENGINEERING AND TECHNOLOGY	Electronics & Communication	ELECTRONICS MEASUREMENT LAB	CRO, DMM & Function Generator, DC average responding AC voltmeter, L.C.R. bridge, transistor tester, (i) PT-100 trans (ii) J- type trans. (iii) K-type trans (iv) Presser trans Transducer, Kelvin's double bridge., Radio Receiver
ENGINEERING AND TECHNOLOGY	Electronics & Communication	ANTENNA & MICROWAVE LAB	CRO, DMM & Function Generator, Horn, Parabolic & helical antenna, Dipole, Yagi-uda, 2 Microwave Bench
ENGINEERING AND TECHNOLOGY	Electronics & Communication	CAD OF ELECTRONICS LAB	P Spice Software for 10 user key
ENGINEERING AND TECHNOLOGY	Electronics & Communication	SIGNAL & SYSTEM LAB	MAT Lab
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Mass Transfer Operation Lab	Vapour in Air Diffusion, Solid in Air Diffusion, Vapour Liquid Equilibrium, Liquid-Liquid Extraction, Solid-Liquid Extraction, Absorption in Packed Bed, Refractometer, Compressor
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Heat transfer Lab	Thermal Conductivity of Metal rod, Shell and tube heat exchanger, Pool Boiling Apparatus, Parallel/Counter Flow heat Exchanger, Heat Pipe Demonstration, Single Effect Evaporator
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Fluid Mechanics Lab	Centrifugal Pump, Bernoullie Equation Experiment, Rectangular Notch Experiment, V-Notch, Venturimeter & Orifice meter, Pipe Fitting, Reynold's Experiment
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Mechanical Operation Lab	Jaw Crusher, Sieve Analysis, Rotary Knife Cutters, Cyclone Separator, Fluidized Bed, Filter Press, Ball Mill, Gyrotory Crusher, Pulverizer

ENGINEERING AND TECHNOLOGY	Chemical Engineering	Energy Technology Lab	Bomb Calorimeter, Oven, Muffle furnace, Saybolt Viscometer, Penskey Marten Apparatus, Solar Cell, Hot Plate, Digital Balance
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Process dynamics and Control Lab	Closed Loop Control System, Time Constant Of Thermocouple And Thermometer, Characterstics of PID Controller, Two Tank Interacting liquid level system, Liquid Level Dynamics-Single Tank System, Two Tank Non-Interacting liquid level system, Characterstics of an on/off controller
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Process Instrumentation Lab	Dead Weight Gauge, Callibration Of Thermocouple, Test RIG
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Chemical Technology Lab	Chemical and Glassware
ENGINEERING AND TECHNOLOGY	Chemical Engineering	Chemical Reaction Engineering Lab	Isothermal Batch Reactor, Isothermal CSTR, Isothermal Semibatch Reactor, RTD studies in PFR, Recycled Bed Reactor, PFR (Coil Type), PFR (Straight tube type), Compressor
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	WORKSHOP	Lathe Machine, Power Hacksaw, Welding Machine, Drill, Grinder, Dye maker, Punching machine, Gauge
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	ENGG. GRAPHICS & MACHINE DRAWING LAB	Drawing Boards, Models, Joints, Knuckle Joint, Univ. coupling
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	ENGG. MECHANICS	Friction Appratus, Bending of Beams, Trusses Appratus, Moment of Inertia, Belt Friction App,, worm
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	FLUID MACHINERY LAB	Pelton, Kaplan, Francis Turbine
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	FLUID MECHANICS LAB	Orfice Discharge Apps., Ventureimeter Bent Neter, Translation/Turbulent Flow, velocity Distribution
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	HEAT & MASS TRANSFER LAB	Composite Cylinder Experiment, Pool Boiling Experiment
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MANUFACTURING SCIENCE-I, II LAB	Shaper Machine, Power Press, Surface Grinder
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MEASUREMENT & METROLOGY LAB	Pressure Measurement Setup, Vernier Caliper, Sine Bar
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MECHANICS OF MACHINE LAB	Governor Setup, Cam Setup, Gyroscope other experimental kits
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	REFRIGERATION AND AIR CONDITIONING LAB	Refrigeration Test Ring, Air Washers, Air Compressor, Vapur Absorption System, Condensers, IC Plant
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	THERMODYNAMICS	2-STROKE PETROL/DIESEL ENGINE, ROOF TRUSS IMPACT TESTING M/C

ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	THERMODYNAMICS/AUTOMOBILE/RAC LAB	Engine Testing Rig Maruti 800 Petrol Engine, Air Contitioning Test Rig
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	MATERIAL SCIENCE & TESTING LAB	Univ. Testing M/c., Impact Testing M/c., rockwell Hardness Tester, Torsion Tester, Spring Testing M/
ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	TOM, Vibration lab	Fuse,Governor Moter, Vibration equipment, Damper, cam
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Basic Electrical Engg. Lab	Digital Storage Oscilloscope, Function Generator
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Control System Lab	Digital Storage Oscilloscope, PI Controller
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Electrical Machine Lab	AC-DC Rectifier
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Power Electronics Lab	Digital Storage Oscilloscope
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Instrumentation Lab	measurement of water level strain gauge kit, oscilloscope
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Measurement Lab	energy meter
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Network Lab	Digital Storage Oscilloscope, dc power supply
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Power System Lab	panel for IDMT over current relay
ENGINEERING AND TECHNOLOGY	Electrical Engineering	Electric Drive Lab	Speed Control Panel, dc motor
ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	ARTIFICIAL INTELLIGENCE LAB	COMPUTER SYSTEM, SOFTWARE, UPS, TFT MONITOR
ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	COMPUTER PROG. LAB	COMPUTER SYSTEM, SOFTWARE, UPS, TFT MONITOR
ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	CRYPTOGRAPHY/NET SECURITY LAB	COMPUTER SYSTEM, SOFTWARE, UPS, TFT MONITOR
ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	INTERNET LAB	LINUX, PC, SERVER, UPS, LAN, TFT
ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	COMPUTER LAB 7	COMPUTER, TFT MONITOR, NETWORKING SWITCH & SOFTWARE, ONLINE UPS
ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	COMPUTER LAB 9	COMPUTER, TFT MONITOR, NETWORKING SWITCH & SOFTWARE, ONLINE UPS
ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	DBMS LAB.	LAN TRANSFER KIT, PC, LAN, UPS
ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	NETWORK SECURITY LAB	ORACLE 8i, SERVER, UPS, LAN PC

ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	WEB TECHNOLOGY LAB	SERVER, COMPUTER TFT MONITOR NETWORKING, PRINTER, ONLINE UPS ETC.
ENGINEERING AND TECHNOLOGY	Mechanical Engineering	CAD LAB	COMPUTER, MONITOR, SERVER, PRINTER, NETWORKING, ONLINE UPS
ENGINEERING AND TECHNOLOGY	Electrical Engineering	MAT Lab	COMPUTER, MONITOR, SERVER, PRINTER, NETWORKING, ONLINE UPS
ENGINEERING AND TECHNOLOGY	Electronics & Communication Engineering	Embedded Lab	COMPUTER, MONITOR, SERVER, PRINTER, NETWORKING, ONLINE UPS
ENGINEERING AND TECHNOLOGY	Civil Engg	GEOTECHNICAL ENGG. LAB	Compaction test Apparatus , Direct Shear Test Apparatus, DCPT Test Apparatus ,Static Cone Penetration Test Apparatus, Shrinkage Limit test Apparatus,, Liquid Limit Test Apparatus, Core Cutter Test Apparatus,Hydrometer,Sand Replacement Test Apparatus
ENGINEERING AND TECHNOLOGY	Civil Engg	SURVEYING LAB	Auto level , Digital theodolite, Vernier theodolite,Total station, Prismatic and Surveyor's Compass, Chain & its accessories,Sextant,Tapes,Optical Square,Plane Tables with stand & Accessories
ENGINEERING AND TECHNOLOGY	Civil Engg	TRANSPORTATION ENGG LAB (T.E LAB)	Los Angeles Abrasion testing machine, Impact testing Machine,Flash and Fire point test, Ductility testing machine,Penetrometer, Stripping test,Ring & Ball Apparatus,Ductility of Bitumen Test Apparatus,Thickness Gauge & Length Gauge for shape tests
ENGINEERING AND TECHNOLOGY	Civil Engg	BUILDING MATERIALS & CONSTRUCTION LAB (B.M.C LAB)	Slump test , Sieve shaker, Oven ,Compression Testing Machine, Compaction Factor test, Flow table test,GI sieves,cube moulds ,Blain Air Permeability Test apparatus,Brass Sieves,Pycnometer,Vicat Apparatus,Bulking of sand apparatus
ENGINEERING AND TECHNOLOGY	Civil Engg	HYDRAULICS & HYDRAULIC MACHINES LAB (H.H.M LAB)	Horizontal Flume
ENGINEERING AND TECHNOLOGY	Civil Engg	STRUCTURE ANALYSIS LAB (S.A LAB)	Three hinged arch , Two Hinged arch, Maxwell Reciprocal Theorem Test, study of column and Strut, Truss, Betties theorem

ENGINEERING AND TECHNOLOGY	ASH	Physics Lab	ENERGY BAND GAP, STEFEN'S CONSTANT, CARRY FOSTER BRIDGE, POTENTIOMETER, VARIATION OF MAGNETIC FIELD, NODAL SLIDE EXPERIMENT, NEWTON'S RING, DIFFRACTION GRATING, BIPRISM EXPERIMENTS, MOMENT OF INERTIA, P-N JUNCTION DIODE, BLASTIC CONSTANT
ENGINEERING AND TECHNOLOGY	ASH	Chemistry Lab	Spectro-photometer, pH Meter, Electronic Balance, Chemical Balance, Potentiometer, Oven, Conductivity meter, Distillation Unit
ENGINEERING AND TECHNOLOGY	ASH	PC Lab	Head Phones 31, Mikes 31, Computers 31, Projector 01
MANAGEMENT	MASTERS IN BUSINESS ADMINISTRATION	MBA COMPUTER LAB 1	COMPUTER, TFT MONITOR 10 KVA UPS
MANAGEMENT	MASTERS IN BUSINESS ADMINISTRATION	MBA COMPUTER LAB 2	UPS, SERVER, PC, LAN

## 18. LIST OF FACILITIES

- ✓ Land area: 10.1 Acres
- ✓ Total Built up area: 32585.40 Sq.Mts
- ✓ 24 Hours Dedicated feeder
- ✓ 24 Hours Power back-up: 320 KVA and 180 KVA DG
- ✓ Wi-fi enabled campus
- ✓ Solar Hot water system
- ✓ R.O. with Chiller
- ✓ 5 Stage water Purifier U.V. system
- ✓ Medical
- ✓ Insurance
- ✓ Sports
- ✓ Gymnasium
- ✓ Bus
- ✓ ERP

- ✓ Biometric
- ✓ CCTV
- ✓ Book bank
- ✓ In Campus ATM
- ✓ Center of Excellence
- ✓ Website designing
- ✓ Robotics
- ✓ Android
- ✓ CAD/CAM
- ✓ 3D Printer
- ✓ R & D Lab:
- ✓ Consultancy and Research
- ✓ Testing Lab

## **19. TEACHING LEARNING PROCESS**

- ✓ Quiz
- ✓ Internal practical exam
- ✓ Mentorship Program
- ✓ Feedback
- ✓ MOOCs, QEEE etc..
- ✓ Training Program: Technical
- ✓ Placement specific training
- ✓ PDP
- ✓ Aptitude
- ✓ Self learning
- ✓ Case Studies
- ✓ Awards
- ✓ Committees: Anti-ragging, Proctorial, women Grievance, Student Grievance, Cultural, Exam, Sports etc..
- ✓ Industry visits
- ✓ Conferences
- ✓ Seminars
- ✓ Guest lectures

- ✓ Workshops
- ✓ Club activities
- ✓ Cultural
- ✓ Sports

20. EoA : <https://www.knmiet.edu/page/Affiliation-Accreditation>

21. **Accounted Audited Statement for last three Years**

<https://www.knmiet.edu/page/FinancialInformationInstitute>

22. **Best Practices adopted, if any**

**Best Practice-I**

**1. Title of the Practice:**

Inculcating values and a sense of responsibility in the Students through volunteering and participating in college's nationally registered NGO - PRAYATNA.

**2. Objectives of the Practice**

- As responsible and privileged citizens of the nation, it becomes our responsibility to serve our nation by giving back to the society. To make our students more sensitive towards pertinent social issues like child labor, poverty and lack of education, it is important to encourage them to be at the forefront of change for these social issues.
- By inculcating values of humanity, sympathy, empathy and change makers, the students not only excel in their professional careers but are also able to act as active agents of change in the current social scenario.
- Spending time with the underprivileged and the unfortunate, the students become more aware of their surroundings and the ground reality. This makes them more conscious of their decisions and how it may impact the marginalized community.
- Our college puts strong emphasis on holistic development. An NGO provides a real world experience to the students and helps them in becoming a better human that is not only focused on the material aspects of their careers.

**3. The Context**

A real world experience outside the classroom is very important for the students to develop their emotional quotient and to become sensitive

towards the environment and the society. A strong sense of giving back to the community through their work is instilled in the students only when they get the chance to explore the ground reality and conditions of those who are less fortunate than an average person. Thus, this NGO was a step in the direction towards the upliftment of the underprivileged and to facilitate the students to actively participate in socio-economic issues and do their part in giving back to the community.

#### **4. The Practice**

- 'Prayatna' is a nationally registered NGO which operates in the college. The students of the college actively take part as volunteers and members in the various activities and events organized by the NGO.
- Our NGO primarily focuses on fighting against the various social stigmas in our society, lack of education, eradicating social evils, child labour and spreading awareness about women empowerment like.
- Plenty of activities are organized by the NGO in the same direction. Weekend teaching programs in which a group of students go to nearby village areas to impart education to the underprivileged children every week.
- Annual events like Alekhya and NukkadNataks are organized by our students to collect funds which then go towards providing resources for underprivileged children.
- Events like Grain distribution, clothes distribution, etc. are organized regularly.
- All these activities help a student realize the ground level reality and help them in developing holistically. Indian Higher Education gives equal importance to social and moral ethics development and an NGO helps the students in gaining the real world experience of the same.
- It is very relevant to clarify here that there are many type of students available in our colleges. All have different family background. Some of the students are from a financially weaker section; some of such students are also provided financial aid through our NGO.

#### **5. Evidence of Success**

- As a Result of our continuous efforts, we have seen increasing numbers of volunteering requests in our NGO by the students.
- Students are now much more sensitive and aware of their privileges and are determined to give back to the society.
- Going on regular weekend teaching programs not only help the underprivileged kids, but has also helped the volunteer students in improving their own academic result.
- The NGO gives real world exposure to the students. This in turn helps them in improving their communication skills and improves their personality and overall development of their soft skills.
- Working as members also gives students the exposure of managing and

running the operations of a nationally registered NGO. This provides them a unique experience of the internal workings of an organization.

## **6. Problems Encountered and Resources Required**

This noble initiative had its fair share of challenges and roadblocks during its initial stage.

- It was a tough task to convince students and faculty members to give up their comfortable classrooms to work under the difficult weather conditions and take surveys in villages.
- After continuous efforts, The NGO of our college – 'PRAYATNA' sets up its first temporary office within the college premises with the help of voluntary donations by the faculties, students and other visitors.
- Initially when we were beginning our weekend teaching program it was difficult to convince the parents of the underprivileged children to send their kids to study with us.
- Various resources required for teaching like – notebooks, pen, pencils, chalk, boards, etc were tough to pool together. Ultimately, by voluntary donations enough resources were gathered to commence the weekend teaching programs.

### **Best Practices II**

#### **1. Title of The Practice:**

Promoting innovation, Problem Solving and Learning through Project Implementations.

#### **2. Objective of The Practice:**

- The field of Engineering and Technology is the breeding ground of innovation and cutting edge technology. Thus, students are encouraged to ideate, analyze and implement unique solutions to everyday issues using their learning through projects.
- Taking up challenging projects as a part or outside of their curriculum also, as it facilitates practical knowledge, implementation of classroom teachings and promotes critical thinking.
- Project based learning facilitates balance between learning through classroom lectures and hands on exposure to a student.
- The complexities and challenges faced during the course of project make students ready for the real world scenarios they may face as engineers.

#### **3. The Context:**

To be industry ready students need not only have strong grasp over the theoretical knowledge but also have a fair understanding of practical

implementations and current industry scenario. Recent trends have shown that critical thinking, researching, problem solving and practical knowledge are valued as much as academic learning. A significant shift for the approach towards practical learning is sought to be approached by introducing project based learning.

Live and relevant industrial projects not only aim at creating a link between the students and their respective field industries but also facilitate holistic development of a student in terms of knowledge and understanding

#### **4. The Practice:**

- Project Selection – occasional industrial visits are organized for various departments at regular intervals so the students can keep track of the new activities in their fields, interact with industry professionals and identify their area of interest. Once the students are clear with their vision, they are encouraged to put forth their ideas and start working on them. For example the projects of converting a manual Lathe Machine into an automated CNC Lathe Machine, a 3D Printer and Fingerprint based parking system were shortlisted according to their feasibility and current need of the times.
- Ground work – Once the feasibility of the ideas is checked with the help of professionals and faculty members, students move forth to the stage of research and development. The Raw materials required, software requirements, strength of students, estimated time of completion, everything is noted down.
- Course of completion – Once every foundational block is in place, the student begin the project work by dividing it into modules. All the hardware, software requirements are sanctioned and provided by the institute itself. Faculty members are always available to give guidance and act as mentors to the students
- Presentation of projects – Once the projects are completed, they are displayed in various competitions, events and exhibitions. Our project of Fingerprint based Parking System was shortlisted for the final round of Kalam Annual Project and Poster Technical Competition – 2019 organized by Dr. APJ Abdul Kalam Technical University, Lucknow.

#### **5. Evidence Of Success:**

- Students involved in projects have reported that they feel much more confident about being industrially prepared.
- Students perform better academically because projects enable them to apply the engineering principles in real world scenarios.
- Some projects not only focus on the technical aspect, but also various socio economic factors, like the Fingerprint based parking system, which helps in the comprehensive development in problem solving.
- Students undertake projects to solve everyday issues prevalent around us. Projects made by students of the institute like CNC Lathe Machine, 3D printer

and fingerprint sensor parking machine, all are cost effective and solve various problems like congested transportation, scarcity of raw materials, etc.

- Comprehensive knowledge of theoretical principles and practical applications help to facilitate better placement opportunities for the students.

#### **6. Problems Encountered and Resources Required:**

- Initially the students may be at a novice level to take the project towards its completion. But gradually through research and complete guidance the students gain information for the same.
- A dedicated area apart from the classroom was required to act as workshops for the many projects.
- Faculty members were required to guide and advise students apart from the regular classroom curriculum.
- Difference in opinions of various students during brainstorming sessions posed delays in the project completion.