



**Engineering College Ajmer**

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# **Annual Report 2018-19**



**Engineering College Ajmer,  
Rajasthan**



# Engineering College Ajmer

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# Engineering College Ajmer

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# Engineering College Ajmer

## 1. Institute's Basic Information

The GECA shall strive to impart knowledge in such a manner as to achieve total satisfaction of students, parents, employers, and the society. Excellence can be achieved only through perseverance and hard work. The Institute is affiliated to RTU, Kota & BTU, Bikaner. Semester scheme is followed for both undergraduate and postgraduate courses.

### History

Government Engineering College, Ajmer, is generally referred to as ECA. It is a public state technical college located in Ajmer, India. It was established in 1997. The foundation stone was kept by Former Technical Education Kalicharan Saraf at BADALIYA. It is one of the engineering colleges in Rajasthan.

### Campus

The Government Engineering College, Ajmer is located at Badaliya Chouraha, near N.H.8, Ajmer. The campus is built on almost 300 acres of land and is surrounded by many hills. The beautiful and serene Jain temple, the Nareli temple, stands nearby. A six lane road connecting Jaipur and Jodhpur passes just opposite to the college. The campus has, in all, two main buildings, known commonly among students as Old Building and New Building. These are the buildings where most of the classes are held. Also these buildings constitute the Central Lab, Chemistry Lab, and the Physics Lab among various other laboratories. Just in front of the Old Building is a garden and a Volleyball court. These help the students rest, while no classes are going on. A few meters away is the sports room, which has a variety of indoor sports the students can play. Behind the new building is the Mechanical Complex. This is a collection of some rooms and labs focusing mainly on the Mechanical branch. Opposite to this, is the college library, which holds a huge collection of books on every subject. Also, there is separate building for Civil Department. The hostels are currently in development. GEC Ajmer has a Wi-Fi campus, and has students and teachers working together to make it a full anti-ragging campus.



# Engineering College Ajmer

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## Location

Engineering College Ajmer is situated at 26° 27' 13" Latitude (North) and 74° 42' 30" Longitude (East).

## Air

Jaipur, the nearest airport is 138 kms. (86 miles).

## Rail

Ajmer is connected to Delhi, Agra, Jaipur, Ahmedabad, Udaipur, Abu Road and Jodhpur by regular trains. Two of the best trains of the Indian Railways, Pink City Express and Shatabdi Express connect Ajmer to Delhi and Jaipur.

## Road

A dense network of bus service operates from Ajmer to key destinations around. Distances from important tourist centers are:

- Jaipur: 138 Kms. (86 miles).
- Delhi: 392 Kms. (244 miles).
- Ahmedabad: 526 Kms. (327 miles).
- Jaisalmer: 490 Kms. (304 miles).
- Bikaner: 233 Kms. (145 miles).



# Engineering College Ajmer

## 2. Vision & Mission

### VISION

To foster harmonious value oriented environment for all in an efficient innovative manner to contribute nation through excellence in academics and research.

### MISSION

- To nurture value oriented competent professionals through conceptual, analytical and technical knowledge for overall sustainable societal development.
- To achieve academic excellence in engineering, technology and science by imparting quality based education.
- To strengthen managerial and entrepreneurial skills to start new ventures.
- To inculcate inquisitive and research oriented approach.



# Engineering College Ajmer

## 3. Information Regarding Affiliating University

### Rajasthan Technical University

(for III & IV Year B.Tech)

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 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, Kota (previously known as Engineering College, Kota), which is located on the Rawatbhata Road, about 14 Kms from Kota Railway Station and 10 Kms from Kota Bus Stand.

The university currently affiliates about 112 Engineering Colleges, 05 B.Arch, 27 MCA Colleges, 60 MBA Colleges, 48 M.Tech Colleges, 01 M.Arch and 02 Hotel Management and Catering Institute. More than 2.5 lacs students study in the various institutes affiliated to the University.

The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.

The University offers almost all the disciplines related to technical education including Bachelor of Technology, Master of Technology, Master of Business Administration, Master of Computer Applications, and Bachelor of Hotel Management and Catering Technology.

The Honb'le Governor of Rajasthan His Excellency Shri. Kalraj Mishra is the Chancellor, and Prof. R. A. Gupta is the Vice-Chancellor of the University.

Thousands of students graduate from the University every year and many attain post-graduation. The University is making steady progress in developing and providing best technical environment for education and will continue to serve the nation in coming years.



# Engineering College Ajmer

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## Bikaner Technical University (BTU) (for I & II Year B.Tech)

Bikaner Technical University (BTU) is a State technical University located in Bikaner, Rajasthan, India.

BTU is based in the campus of the College of Engineering & Technology, Bikaner in Karni Industrial Area, Bikaner, approximately 400 kilometres (250 mi) from New Delhi. It was established in 2017[2] with jurisdiction over technical institutes in Bikaner division, Jodhpur division, Nagaur district in Ajmer division and districts Alwar, Sikar and Jhunjhunu in Jaipur division, affiliating 69 engineering and management colleges[3] which were formerly affiliated to Rajasthan Technical University.

Some of the Notable affiliated colleges out of 43 are:-

- B.K. Birla Institute of Engineering & Technology, Jhunjhunu
- Government Engineering College, Bikaner
- Government Engineering College, Ajmer
- Government Mahila Engineering College
- Jodhpur Institute of Engineering and Technology, Jodhpur
- Laxmi Devi Institute of Engineering and Technology, Alwar
- Mayurakshi Institute of Engineering & Technology, Jodhpur
- Raj Engineering College, Jodhpur
- S.L.B.S Engineering College, Jodhpur
- St. Margaret Engineering College, Alwar
- University College of Engineering and Technology, Bikaner



# Engineering College Ajmer

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## 4. Information Regarding Academic Autonomy

Engineering Colleges Ajmer is affiliated to a Rajasthan Technical University, Kota and Bikaner Technical University, Bikaner which are governing the academic autonomy of all the institutes affiliated under them. Engineering College Ajmer is also affiliated to AICTE, New Delhi and acting as an Autonomous Institute of Government of Rajasthan.

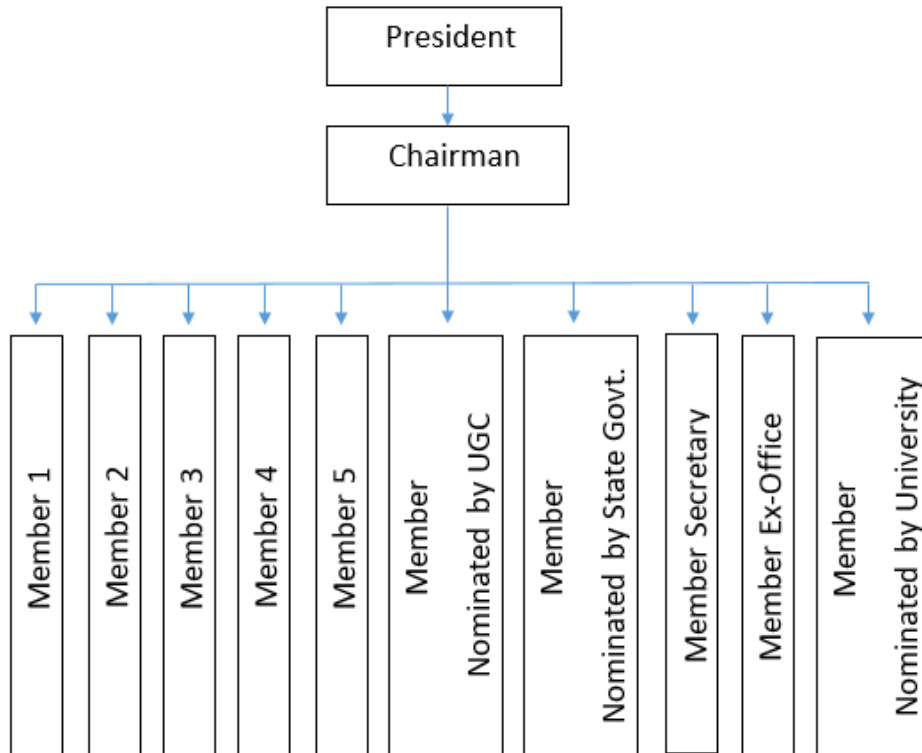


# Engineering College Ajmer

## 5. Governance Structure

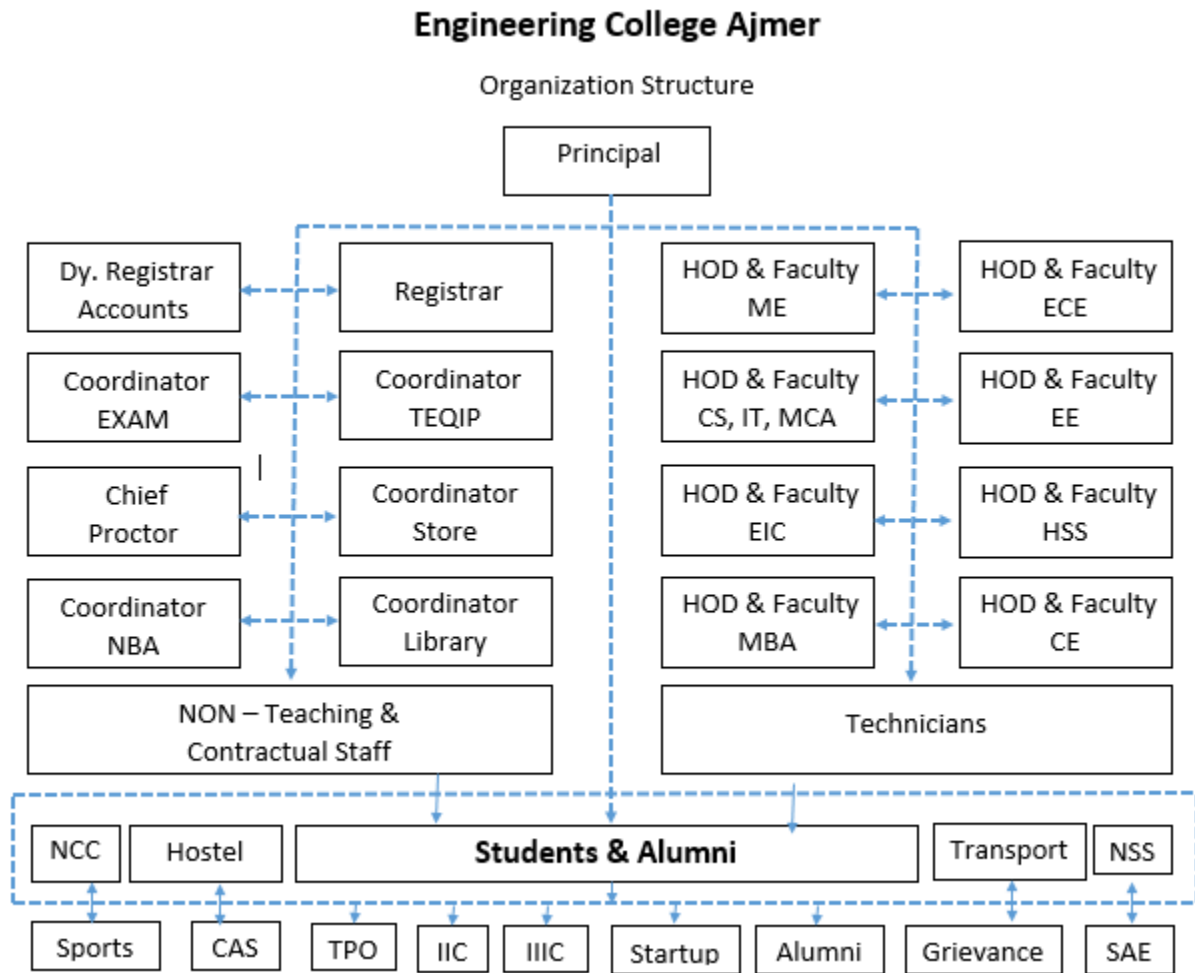
### Engineering College Ajmer

Board of Governance





## 6. Organization Structure





# Engineering College Ajmer

## 7. Academic Calendar

**GOVT. ENGINEERING COLLEGE, AJMER**  
**TENTATIVE ACADEMIC CALENDER FOR ODD SEMESTER OF SESSION 2018-19**

Date: 03-07-2018

Geem/acc/2018/17

COURSE	B. Tech.				M. Tech.		M.C.A			M.B.A	
	I	III	V	VII	I	III	I	III	V	I	III
Induction Program	01.08.2018 To 15.08.2018										
Commencement of Classes	16.08.2018	16.07.2018	02.07.2018	09.07.2018	16.08.2018	16.07.2018	01.08.2018	25.07.2018	02.07.2018	01.08.2018	25.07.2018
First Mid Term	03.10.2018	03.10.2018	05.09.2018	05.09.2018	08.10.2018	08.10.2018	03.10.2018	12.09.2018	05.09.2018	03.10.2018	12.09.2018
Second Mid Term	19.11.2018	19.11.2018	06.10.2018	06.10.2018	19.11.2018	19.11.2018	15.11.2018	29.10.2018	06.10.2018	15.11.2018	29.10.2018
Last Working Day	26.11.2018	24.11.2018	20.10.2018	22.10.2018	26.11.2018	24.11.2018	24.11.2018	24.11.2018	24.10.2018	24.11.2018	24.11.2018
Commencement of Practical Exams	27.11.2018	26.11.2018	22.10.2018	23.10.2018	27.11.2018	26.11.2018	03.12.2018	26.11.2018	22.10.2018	03.12.2018	26.11.2018
Commencement of Theory Exams	11.12.2018	07.12.2018	14.11.2018	15.11.2018	11.12.2018	07.12.2018	11.12.2018	07.12.2018	14.11.2018	11.12.2018	07.12.2018
Commencement of Classes for next Even Semester (2018-19)	II	IV	VI	VIII	II	IV	II	IV	VI	II	IV
Diwali's Vacation	02.01.2019	02.01.2019	10.12.2018	10.12.2018	As per RTU Kota						
Winter Vacation	29.10.2018 to 06.11.2018 (09 days)						26.12.2018 to 31.12.2018 (06days)				

UG Coordinator: *[Signature]* PG Coordinator: *[Signature]* Principal: *[Signature]*

Copy through college website to: 1. Principal for kind information 2. Registrar. 3. Chief Coordinator (Exam and Proctor Section) 4. All Heads 6. Deputy Registrar (AA) 7. President Library.

**GOVT. ENGINEERING COLLEGE, AJMER**  
**TENTATIVE ACADEMIC CALENDER FOR EVEN SEMESTER OF SESSION 2018-19**

Date: 11/1/2019

Geem/acc/2018/148

COURSE	B. Tech.				M. Tech.		M.C.A			M.B.A	
	II	IV	VI	VIII	II	IV	II	IV	VI	II	IV
First Mid Term	27.02.2019	27.02.2019	20.02.2019	20.02.2019	23.02.2019		23.02.2019	27.02.2019		11.03.2019	15.03.2019
Second Mid Term	26.04.2019	23.04.2019	25.03.2019	28.03.2019	26.04.2019		26.04.2019	23.04.2019		15.04.2019	15.04.2019
Last Working Day	01.05.2019	26.04.2019	28.03.2019	03.04.2019	01.05.2019		01.05.2019	26.05.2019		22.04.2019	24.04.2019
Commencement of Practical Exams	29.05.2019	27.04.2019	29.03.2019	06.05.2019	17.05.2019		29.05.2019	29.05.2019		24.04.2019	25.04.2019
Commencement of Theory Exams	08.05.2019	09.05.2019	11.04.2019	10.04.2019	08.05.2019		08.05.2019	09.05.2019	10.05.2019	08.05.2019	09.05.2019
Project (VIII Sem)				24.04.2019 to 04.05.2019							
Practical Training (After II Sem)	17.06.2019 to 30.06.2019										
Practical Training (After IV Sem)		25.05.2019 to 06.07.2019									
Practical Training (After VI Sem)			01.05.2019 to 15.06.2019								
Summer Vacation	20.05.2019 to 30.06.2019 (42 days)										
Diwali's Vacation	18.10.2019 to 26.10.2019 (9 days)										
Winter Vacation	23.12.2019 to 31.12.2019 (9 days)										

Note: The registration and commencement of classes shall be observed in accordance with notifications issued by Proctor/respective department(s) University. For updated schedule refer official website of concerned University.



# Engineering College Ajmer

## 8. Infrastructure: Academic, Library, Computer Center, Residential, Hostels etc.

The Engineering College, Ajmer is located at Badaliya Chouraha, near N.H.8, Ajmer. The campus is built on almost 300 acres of land and is surrounded by many hills. The beautiful and serene Jain temple, the Nareli temple, stands nearby. A six lane road connecting Jaipur and Jodhpur passes just opposite to the college. The campus has, in all, two main buildings, known commonly among students as Old Building and New Building. These are the buildings where most of the classes are held. Also these buildings constitute the Central Lab, Chemistry Lab, and the Physics Lab among various other laboratories. Just in front of the Old Building is a garden and a Volleyball court. These help the students rest, while no classes are going on. A few meters away is the sports room, which has a variety of indoor sports the students can play. Behind the new building is the Mechanical Complex. This is a collection of some rooms and labs focusing mainly on the Mechanical branch. Opposite to this, is the college library, which holds a huge collection of books on every subject. Also, there is separate building for Civil Department. The hostels are currently in development. GEC Ajmer has a Wi-Fi campus, and has students and teachers working together to make it a full anti-ragging campus.

Central Library consists of more than 46 thousands volumes for the students, faculty and staff. A separate block is constructed at the center of campus with Wi-Fi facilities and E-Journal facilities.

Computer Labs are divided in various departments equipped with modern servers and computer facilities.

Various Labs and computers available are

1. Aryabhata	:	100
2. C. V. Raman	:	30
3. Homi J. Bhabha	:	30
4. M. Visvesvaraya	:	30
5. Venkatraman Radhakrishnan	:	30



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6. Vikram Sarabhai : 30
7. A.P.J. Abdul Kalam : 30
8. Srinivasa Ramanujan : 30
9. J. C. Bose : 30

Each Department have different computer labs with Wi-Fi facilities

Engineering College Ajmer is having one Guest House with 2 AC room facility for guest. No residential accommodation is available for staff and faculties in the college campus.

60 seater SC/ST girls hostel is available in the college with all necessary facilities for the students.



## 9. Department's Profile with infrastructure & facilities

### Mechanical Engineering

Mechanical Engineering Department aim for overall development of individual as well Department. The department strives for continuous improvement in quality of education through curriculum development and up gradation of laboratories. The department can boast of very well equipped Heat Engines & Strength of Materials, Refrigeration and Air Conditioning, Hydraulics & Theory of Machines and Production Laboratories. The department also has a well-equipped workshop that caters to the need of the entire college. The Department of Mechanical Engineering offers B.Tech in Mechanical Engineering & M. Tech in Production Engineering. The department has well qualified, experienced and committed faculty to provide quality industry tuned education to the students. The Department Infrastructure fulfills the requirements of academics, supports research and learning skills on the latest technology in the industry.

Department of Mechanical Engineering has Under Graduate program with an intake of 89 and Post Graduate program with intake of 18. Society like SAE has bridging the gap between industry and academia.



# Engineering College Ajmer

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## Electronics & Instrumentation Control Engineering

Department of Electronic Instrumentation & Control Engineering was established with the objective of imparting quality education and Research in the field of Instrumentation & Control engineering and fulfills growing needs of industry with quality Professionals. We always welcome brightest students and well-Qualified Faculty in tandem with overall development of individual as well Department.

The department has conducted many AICTE/TEQIP sponsored workshops. Our Staff members are specialized in thrust areas of technology and updating their knowledge by attending conferences, workshops and short-term courses and MOCK, swayam NPTEL online courses etc.

We provide our students opportunities to engage in experiments, design work, project work, industrial training, seminars, and team work to enhance the learning process that is so vital for a holistic engineering education. They develop skills of inquiring and exploring new ideas on their own. In essence, they are well prepared for the life-long learning that is vital for an enriching career in engineering

Programmes Offered: Bachelor (B.Tech.) Degree in Electronics & Instrumentation and control engineering with intake of 60, plus 12 lateral entry students.

Facilities in the Department: The Department has a dedicated computer center with all systems networked through LAN. Our Department Lab facility includes Instrumentation, Process Control, Control System, Digital IC's, and Data conversion, Electronics Circuits, Analog IC's, MatLab, LabVIEW, Biomedical Instrumentation, transducer, Antenna Microprocessor, Micro-controller and DSP Labs. The students of some departments are carrying out their laboratories in our department. These laboratories are being used for conducting experiments for B.Tech students for their regular course work and also for research purposes. Few more laboratories have also been created to cater to the needs of research scholars. These laboratories provide facilities for research and are being used by faculty and Students.

## Departments Labs

- Analytical Instrumentation Lab
- Computational (Simulation) Lab



# Engineering College Ajmer

- Electrical & Electronic Workshop
- Control Engineering Lab
- Transducer Lab
- Applied Instrumentation Lab
- Instrumentation Workshop
- Process Control Lab
- Electronics Lab
- Microprocessor/Micro Controller Lab
- Measurement & Instrumentation Lab
- Digital Electronics Lab Microprocessor/Micro Controller Lab
- Measurement & Instrumentation Lab
- Digital Electronics Lab

## The Equipment's List

S. No.	Name of Equipment	Qty	Lab
1	Desktop Computer(TFT Monitor)	10	<b>Computational (Simulation) Lab</b>
2	Potentiometer Error Detector	1	Control and Measurement & Instrumentation Lab
3	Synchro Transmitter and Control Transformer	1	
4	Slide Wire Potentiometer With Constant voltage source, Electronic Standard cell model, Spot reflecting galvanometer model-ME-475, Portable DC Ammeter(0-5 Amp.), Resistance Coil, Regulated Power Supply 5Amp.	1	



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5	Variable Capacitance type transducer	1	<a href="#">Transducer Lab</a>
6	AC Servo Motor	1	
7	DC Servo Motor	1	
8	Temperature Transducer Trainer, Adtron 3034	1	
9	Measurement of Linear Displacement using Inductive transducer	1	
10	Characteristics of K Type Thermocouple And Application	1	
11	Characteristics of Light Dependent Resistor	1	
12	Measurement of Strain using Strain Gauge	1	
13	Piezo Electric Vibration Pick-up	1	
14	Sodium Vapor Lamp	1	
15	Mercury Vapor Lamp	1	
16	Crompton Potentiometer Set	1	EI Workshop
17	Solar Panel Set	1	
18	Anderson Bridge Set	1	
19	Wein Bridge Set	1	
20	DeSauty Bridge Set	1	
21	Kelvin Bridge	1	
22	LVDT Trainer	1	
23	Digital Multimeter	1	
24	Demonstration Trainer	1	
25	Tip Ion Selective Electrode	1	



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26	Water Level Measurement Kit	1	
27	Torque Measurement Kit	1	
28	Speed Measurement Kit	1	
29	Linear System Simulator	1	
30	Steeper Motor Control Kit	1	
31	Conductive meter with all Accessories	1	
32	PH meter with electrode, stand buffer table, manual and dust cover	1	Analytical Instrumentation Lab
33	Flame photometer digital with compressor	1	
34	Electronics spectrophotometer digital	1	
35	Cascade control kit	1	Process Lab
36	Temperature controller systems	1	
37	Process (PID) simulator	1	
38	On/off Temperature control	1	
39	Digital control system	1	
40	Gas chromatograph Dual flame ionization detector with control module	1	Analytical Instrumentation Lab
41	Newton window based chromatography data station single channel data acquisition	1	
42	SGE liquid Syringe 10 lit capacity	1	
43	Capillary column 30M*0.25mm ID*0.25MM film thickness coated with AT WAX	1	
44	Pentium IV computer with HP printer to be used with recording device	1	



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45	N2 Air Of H2 filled with high purity gasses & fitted with double stage pressure regulator	1	
46	Electromechanical servo stabilizer of 5 KVA cap can be used with PC	1	
47	UPS of 050VA cap for PC & printer	1	
48	Silicon rubber septum (pkt. Of 100 Nos)	1	
49	Gas purifier for H2 ,N2 & zero air gas	1	
50	High volume sampler model NPM -HVS Ambient air monitoring gaseous sampling & respirable dust attainment	1	
51	LCD Projector	1	Process Lab
52	Programmable trainer (PLC)	1	
53	Level control system	1	
54	Compensating Network kit (leg and lead Network)	1	
55	Ratio control scheme kit	1	
56	8085 Based microprocessor Trainer with LCD display & keyboard interface and power supply	4	Microprocessor/Micro Controller Lab
57	Compatible to program 2716/2732/27128	1	
58	Stepper motor controller card	1	
59	Thermocouple Input Card	1	
60	8086 Based microprocessor Trainer	2	
61	Oscilloscopes	10	For Labs
62	Real time process trainer	1	Process Lab
63	PLC trainer Kit with SCADA Software	1	



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64	Control system simulation and modeling tools force toolkit for RTAI (software)	1	
65	Speed control of Induction motor setup	1	ED Lab
66	Clipper & clamper trainer	1	
67	Current series and current shunt amplifier (AMP)	1	
68	Class B push pull amplifier (AMP19)	1	
69	FET amplifier (AMP-32A)	1	
70	UJT relaxation oscillator (oae-20A)	1	
71	Constant -K- filters (LPF-HPF) trainer PF-01-02	1	
72	Characteristics of P-N Junction diode & Zener diode (D-03)	1	
73	RPS using series transistor trainer Mode-RPSO4	1	
74	RPS using shunt transistor trainer Model-RPSO5	1	
75	Wein bridge oscillator trainer Model No.OSCO3	1	
76	Hartley & Colpitts oscillators trainers Model No OSX01-02	1	
77	Rectifier trainer Model No-RPS02	2	
78	R-C phase shift oscillator trainer Model no-OSCO5	1	
79	Voltage stabilization using Zener diode trainer no.-RPS01E	1	
80	Characteristic of unijunction transistor (UJT) Model No-THY06	1	
81	Characteristics of MOSFET trainer model-THY09	1	
82	Characteristics of FET Trainer Model-T02	1	
83	Characteristics of transistor trainer Model no-T-100N	1	
84	Single stage C-E amplifier trainer Model no-AMP06A	1	
85	Voltage series and voltage shunt amplifier Model-amp13AC	1	
86	CMOS IC char trainer moel-CHICo3	1	



# Engineering College Ajmer

87	Desktop Computer(LED Monitor)	30	
88	Scanner HP Scanjet G2410	1	
89	Photo copy machine (TEQUIP)	1	
90	Function Generator	4	office
91	Power project Board	4	
92	Lab view software of hardware (under TEQIP-II)	1	BMI Lab
93	ECG-EEG-EMG module blood Monitoring module CA1 software Package	1	
94	PCB/Antenna Proto Typing Machine ( under TEQUP-II)	1	
95	Hard Disks WD Elements	2	Process Lab
96	2 GB RAM (Kingston)	1	
97	Multiprocessor Control Lab ( under TEQUP-II)	1	
98	<b>Process Control Lab</b> a. 2nd order Trainer Kit b. Armature controlled DC servo motor c. Control value characteristics d. Field controlled D.C. Servo motor e. PLC trainer kit with SCADA software f. Synchro Transmitter and control transformer kit	1 1 1 1 1 1	
99	Desktop computer system	5	
100	Printer HP LaserJet (M1216 nfh MFP)	1	Office
101	Projector HITACHI CP-X467	1	
102	Printer HP Laser P1007	1	



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103	Spectrum Analyzer -13 Ghz Anritsu USA make 1. MS 2720T Spectrum Analyzer with standard accessories and following built option and accessories qt-1 a. MS2720T-0713 option 0713:- frequency 9KHZ to 13 Ghz qt-1 b. MS 2720T-0509 option 0509 AM/FM/PM/ Measurement s qt-1	1	AI Lab
104	CST studio suite version 2014 1. Limited term license of CST Studio suite TM educational license only valid qt-1 2. Option for item 1: free classroom license 3. Rental free reduction per long term rental with advance 01	1	
105	Projector (NEC,HDMI,PSOIX)	1	Office
106	Projector (HITACHI P-X467)		
106	D- Link (Building Networks)	1	
107	Wi Fi execs point	1	
108	8085 Micro Processor Kit, Micro Controller 8051	13	Microcontrollers lab 4E14-23
109	Analog Ammeter	4	Electronics Device Lab 3E14-21
110	Digital Storage CRO	2	
111	Analog Ammeter	3	
112	Analog Voltmeter	2	
113	PN Junction Diode Characteristics Trainer		
114	Characteristics of small signal amplifier using FET	3	
115	Characteristics of FET Measure $I_{d_{ss}}$ & $V_p$	1	
116	Characteristics of 2 stage RC coupled Amplifier	1	
117	Frequency Characteristics of Emitter Follower	1	
118	Push Pull Amplifier	1	
119	Series And shunt Voltage	1	



# Engineering College Ajmer

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120	Kit of Zener Diode (V-I Characteristics )	1
121	Kit of Hartley oscillator	1
122	15. Kit of UJT (Plot the Characteristics & realization)	1



# Engineering College Ajmer

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## ELECTRICAL ENGINEERING

Department of Electrical Engineering was established with the objective of imparting quality education and Research in the field of Electrical engineering and fulfills growing needs of industry with quality Professionals. We always welcome to join us brightest students and well-Qualified Faculty in tandem with overall development of individual as well Department.

The department has conducted many AICTE/TEQIP sponsored workshops. Our Staff members are specialized in thrust areas of technology and updating their knowledge by attending conferences, workshops and short-term courses.

We provide our students opportunities to engage in experiments, design work, project work, industrial training, seminars, and team work to enhance the learning process that is so vital for a holistic engineering education. They develop skills of inquiring and exploring new ideas on their own. In essence, they are well prepared for the life-long learning that is vital for an enriching career in engineering

**Programmes Offered:** Bachelor Degree in Electrical engineering with intake of 47, plus 10 lateral entry students.

**Facilities in the Department:** The Department has a dedicated computer center with all systems networked through LAN. Our Department Lab facility includes Basic Electrical Engineering, Power System, Power Electronics and Machine, Control System, Advance Power Electronics, System Programming, Electrical Circuit Analysis Labs. The students of some departments are carrying out their laboratories in our department. These laboratories are being used for conducting experiments for B.Tech and students for their regular course work and also for research purposes. Few more laboratories have also been created to cater to the needs of research scholars. These laboratories provide facilities for research and are being used by faculty and Students.

## Departments Labs

- Basic Electrical Engineering Lab



# Engineering College Ajmer

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- Computational (Simulation) Lab
- Power System Lab
- Power Electronics Lab
- Machine Lab
- Control System Lab
- Advance Power Electronics Lab
- System Programming Lab
- Electrical Circuit Analysis Lab



# Engineering College Ajmer

## Electronics & Communication Engineering

Electronics and Communication Engineering has gained importance in recent years due to its versatile application in every facet of engineering field. It mainly deals with the principles of electronic devices and communication technologies along with the basic electronic components, design of circuits and systems.

The programmes are designed to produce professional Engineers who are capable of analyzing, specifying, designing, commissioning and maintaining complex electronic communications systems to enable continuous improvements in standards of living enjoyed by society through the ingenuity of engineers.

The courses open up a very wide range of employment opportunities, firstly by providing students with a comprehensive ground in engineering and electronics principles and then by allowing specialization that enables them to focus on a particular area of technology. This focus can be further enhanced by an appropriate choice of final-year project topic, which offers students an opportunity to acquire skills and experience in areas not otherwise covered by the main modules on the course.

### Infrastructure & Facilities:

Sr. No.	Name of the Laboratory	Name of the Important equipment	Technical Manpower support		
			Name of the technical staff	Designation	Qualification
1.	Electronic Instrumentation Workshop	Display Board of different Resistor, capacitors, inductors, Tap Recorder	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
2.	Computer Programming Lab-I	PCs, C,C++	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
3.	Electronic Device Lab	CRO, Function Generator, Power Supply, Bread Board	Mr. Santosh KumarMeena	Technician	ITI
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
4.	Digital Electronics Lab	Digital IC trainer, Characteristics of CMOS IC	Mr. Santosh KumarMeena	Technician	ITI
			Mr. Sushil Kumar Singh	Lab Attendant	ITI



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5.	Electronic Engineering Design Lab	CRO, Function Generator, Power Supply, Bread-board.	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
6.	Microwave Engg. Lab	Microwave bench with components & instruments & accessories	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
7.	Communication Lab-I	CRO, function generator, Communication trainer kits	Mr. Shrichand Choudhary	Technician	ITI
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
8	Signal Processing Lab	PCs, Matlab software	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
9.	Signal & Image Processing Lab	PCs, Matlab software	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
10.	Wireless Communication Lab	Microwave Antenna Trainer, GPS Receiver & Trainer System, Satellite Communication Trainer System	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
11.	Computer Programming Lab-I	PCs, C,C++	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
12.	Analog Electronics Lab	CRO, Function Generator, Power Supply, Electronics kits	Mr. Santosh Kumar Meena	Technician	ITI
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
13.	Measurement & Instrumentation Lab	LVDT Trainer Kit, Load Trainer Kit, Velocity Measurement Tutor	Mr. Santosh Kumar Meena	Technician	ITI
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
14.	Communication Lab-II	CRO, function generator,	Mr. Shrichand Choudhary	Technician	ITI
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>



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		Communication kits			
15.	Microprocessor Lab	Microprocessor Trainer	Mr. Shrichand Choudhary	Technician	ITI
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
16.	RF Simulation Lab	PCs, CST software	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
17.	Industrial Electronics Lab	Single phase SCR controlled rectifier trainer, SCR Triggering Techniques	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI
8.	RF Fabrication Lab	PCB fabrication machine, VNA	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Shyraj	Lab Attendant	10 <sup>th</sup>
9.	VLSI & Optical Fiber Lab	VLSI/VHDL Software, Optical device characteristic trainer kit	Mr. Mukesh Kumar Verma	Technician	Diploma
			Mr. Sushil Kumar Singh	Lab Attendant	ITI

## Additional facilities created:

Sr. No.	FacilityName	Details	Reason(s)forcreatingfacility
1.	Board	White / Green board	Better explanation to students
2.	Multiple copies of Lab manuals	---	More number of student groups can study simultaneously
3.	Projector	Model NEC P501X/P451X P451W/P401W PE501X HITACHI CP-X467	Photographic & video demonstration
4.	Vector Network Analyzer	Model:N-5224A, Freq.: 10MHz-43.5GHz.	To motivate the UG students for research by introducing modern and sophisticated tools/equipments.
5.	Isotropic antenna	Frequency range:700MHz to 6 GHz	Used as reference antenna for other antenna measurements.



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6.	HFSS software	Simulation software	Introduction to UG students in High frequency domain
7	CST software	Simulation software	Introduction to UG students in High frequency domain



# Engineering College Ajmer

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## Civil Engineering

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. Government Engineering College, Ajmer was established in 1997 and the Civil Engineering Department is part of the institute **since 2011** with AICTE sanctioned strength 75 (60+12+3) students in UG program. The Department has grown tremendously over the years and is now recognized as one of the major engineering departments. The Department of Civil Engineering with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry and academic and research institutions both within and outside the country.

## VISION

Entrusted by society and industry to foster a sustainable world by making competent and ethically strong Civil Engineers.

## MISSION

- 1) To impart quality education to prepare competitive undergraduate students for a successful career in civil engineering
- 2) To impart soft skills, leadership qualities and professional ethics among the graduates to handle projects independently.
- 3) To promote innovative thinking in the minds of promising engineers to face the future challenges for an evolving sustainable world.

## Infrastructure and Facilities

Civil Engineering Department running in a newly constructed separate building block which having sufficient number of rooms for faculty staff and laboratories. Along with this department has following facilities



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**Technologically adept:** The entire building block is enabled with high speed LAN & Wi-Fi facility that allows faculty, staff and students to log on to the Internet at any point of time, to make use of the abundant information available on the Internet

## Departmental Library:

Department has its own well-stocked library having around 600 books covering almost all aspects of Civil Engineering. The library remains open from 8.00 a.m. to 2.0 p.m. on all working days.

**Seminar Room:** Department has developed a high tech seminar room which consisting sound system, smart board and a projector. Which is being utilized for organizing training programs, workshops, Conferences and other departmental activities.

**Cutting-edge laboratories:** Students have access to every facility in the form of 10 well equipped labs. Which are:

**1) Material Testing Lab:** The objective of Material Testing laboratory is to develop a sound understanding of mechanical & physical properties along with behavioral pattern of different construction materials. Emphasis is also given to correlate and infer the results in terms of standard values as defined under relevant code of practices. This helps the student in selecting the right material for their intended use as well as to ascertain their suitability as a construction material. The laboratory is well equipped with semi-automated equipment such as-

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	Material Testing Lab	1.Universal Testing Machine (capacity 1000 kN) 2.Automatic Compression testing machines (capacity 2000 kN) 3.Torsional testing Machine 200 kg with Digital counter 4. Impact testing machine for Charpy test 5. Flexural testing machine



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		6. Brinell hardness testing machine 7 Fatigue testing apparatus
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**2) Geology Lab:** In this lab, students will study about physical properties of rocks and minerals which are essential for Civil Engineers in field of construction. Study of Geological maps is essential for interpretation and selection the sites for various Civil Engineering structures. Calculating dip and strike of a rock strata helps in determining the Geological formation of a construction site.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1.	Geology Lab	1. Mohr's scale Hardness 1-9 in Metal case 2. Streak Plates 3. Pocket Lens 10 × [small, big] 4. Mineral Specimen 5. Rock Specimen

**3) Computer Aided Design Laboratory (CAD LAB):** The Computer Aided Design Lab (CAD) of the department is well-equipped with state of the art facilities for the benefit of the civil engineering students. High end terminals supported by latest hardware and software, latest visual aids, plotting devices, etc. are the salient features of this laboratory. This lab facility will be extensively used by undergraduate students for building planning and drawing as well as for structural detailing.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	UG Computer Lab	1. Bentley STAAD Pro Software for Civil Engineering. 2. Applications like Structural Analysis and design computer program. 3. Autocad for 2-D and 3-D computer aided drafting. 4. MATLAB for technical computing. 5. ANSYS for engineering simulation and 3D design.



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**4) Geo technical Lab:** The Department of Civil Engineering is equipped with a full-fledged Geotechnical lab that facilitates students to evaluate engineering properties of soils together with analyzing and interpreting the experimental data as per course curriculum. The different equipment's of the laboratory include Infrared moisture meter, Compression Testing Machine, Direct Shear and Triaxial Test Setup, Vane Shear Equipment, Permeability Test Setup, Hydrometer, Motorized Casagrande's apparatus and CBR Testing Machine. Students are exposed to In-situ bearing capacity measurement techniques like Standard Penetration Test and Cone Penetration Tests that are also extensively used for all Departmental consultancy projects.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	Geotech lab	<ol style="list-style-type: none"><li>1.Core cutter apparatus</li><li>2.Electronic CBR apparatus</li><li>3.Consolidation apparatus</li><li>4.Direct shear test</li><li>5.Triaxial shear test</li><li>6.Liquid limit casaagrande and cone penetration apparatus</li><li>7.Permeability apparatus</li><li>8.plastic limit apparatus</li><li>9.Pycnometer</li><li>10.Shrikage limit apparatus</li><li>11.Sieve set for fine grained and coarse grained soil</li><li>12.Standard proctor test</li><li>13. Swell test apparatus</li><li>14.Unconfined compression test</li></ol>



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**5) Environmental Engineering Lab:** The Environmental Engineering Laboratory deals with air, water and wastewater quality analysis. The testing is conducted by spectrophotometric and titrimetric methods as per Indian standards. The laboratory has sophisticated equipment's like UV-Vis spectrophotometer, Spectrophotometer, BOD incubator, COD digester and Turbidity meter for accurate analysis of physical and chemical parameters in water and waste water. The laboratory is also equipped with instruments like Personal sampler and handy sampler for indoor and outdoor measurements of particulate and gaseous air pollutants. Students will be able to link these concepts with their knowledge from core courses in Environmental Engineering and Basic Sciences. The laboratory is used for both academic course and research that provides students and faculty with hands-on experience in quality analysis of air and water.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	Environmental Engineering lab	<ol style="list-style-type: none"><li>1. Jar Test Flocculator</li><li>2. Microprocessor Based pH Meter</li><li>3. Bench conductivity/tds/ Temp. Meter</li><li>4. Multi parameter Photometer</li><li>5. Thermo reactor COD Analysis</li><li>6. BOD Analysis</li><li>7. Cooled Incubator</li><li>8. Hand-Held Dissolved Oxygen Meter</li><li>9. Sound level meter</li><li>10. Nephelo-turbidity meter</li><li>11. Hot air oven 95 liter</li><li>12. Imhoff Cone</li><li>13. Water Distillation Unit</li></ol>

**6 Surveying Lab:** Surveying is one of the thrust areas of civil engineering which involves taking linear and angular measurements. This lab helps in preparing a plan or map of the area with all topographical details before starting with any construction. The surveying laboratory is fully equipped with



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both conventional and advanced surveying instruments such as Auto-level, Theodolite, Compass, Total station and Digital Planimeter. The laboratory is handled by well qualified, experienced and dedicated faculty. Students learn techniques for gathering field data with both traditional and modern instruments.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	Surveying lab	<ol style="list-style-type: none"><li>1.Laminated Topographic sheets for student reference of size 56×90cm</li><li>2. Spirit Level(150mm)</li><li>3. Nautical Sextant</li><li>4. Measuring Tape 20m (As per Specification)</li><li>5.Square Prism</li><li>6.Digital Theodolite</li><li>7. M.S. Arrow (As per Specification)</li><li>8. Freeman Measuring Tape 30m</li><li>9. Measuring Tape 15m</li><li>10.French Cross Staff</li><li>11.Tilting Level (9") with Box</li><li>12. Dumpy Level (9") with Box</li><li>13.Automatic level with box and stand</li><li>14.Levelling Stand of Aluminium of sizes [4m,5m]</li><li>15.Ceylon Ghat Tracer</li><li>16.Pantograph in Wooden box</li><li>17. Prismatic Compass (150mm) with stand</li><li>18. Surveyor Compass (100mm) with stand</li><li>19. Plane Table set with accessories</li><li>20. Ranging rods</li><li>21.Offsets Rods</li><li>22. Line Ranger</li><li>23. Open Cross Staff</li><li>24. Total Station</li><li>25.Hand Level</li><li>26. Digital Plannimeter</li><li>28. German Pattern Theodolite</li><li>29. Tangent Clinometer</li></ol>



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## 7 Concrete and Highway Materials Lab: Concrete and Highway Materials

Laboratory is one of the sophisticated labs of the Institute. The laboratory offers technical services for testing, research and consultancy. Non Destructive Testing (NDT) equipments such as Profoscope, Destructive Testing equipments such as Compression Testing Machine (CTM), California Bearing Ratio (CBR), etc.; together with Highway Testing materials, fundamental concrete making materials such as Cement, Sand and Aggregates along with other major equipments are available in the laboratory for consistent and accurate testing.

Sr. No.	Name of the Laboratory	Name of the Important equipment
1	Concrete Technology Lab	<ol style="list-style-type: none"><li>1.Consistency of cement test apparatus</li><li>2.Initial and final setting time of cement paste</li><li>3.Permeability test apparatus</li><li>4.Sieve set for coarse aggregates</li><li>5. Le-chatelier apparatus</li><li>6 Sieve set for fine grained aggregates</li><li>7. Slump test apparatus</li><li>8. Compaction factor test</li><li>9.Flow table apparatus</li><li>10.Digital flexural testing machine</li><li>11.Concertre permeability apparatus</li><li>12.Vibrating Table</li><li>13.Drum type mixer</li></ol>
2	Transportation Engineering Lab	<ol style="list-style-type: none"><li>1.Aggregate crushing value test</li><li>2.Los angles abrasion testing</li><li>3.Standard TAR viscosity meter</li><li>4.Flakiness and Elongation test apparatus</li><li>5.Ductility test apparatus</li></ol>



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		6.Digital Marsh Stability 7.Float test apparatus 8.Bump Integrator 9.Bankkelan beam apparatus
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## Computer Science & Information Technology:

Academic Program (UG)		
S.No.	Discipline/Duration	Year of Starting
1	Computer Engineering (4 Yrs)	2000
2	Information Technology (4 Yrs)	2000

### Academic Program (PG)

S.No.	Programme	Year of Starting
1	Computer Science and Engineering	2007
2	Software Engineering	2008
3	Information Technology	2009

## Rooms.

Computer Centre, Server Room and Laboratories

Department has 1 server room, 1 computer centre and 9 laboratories.



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Item	Quantity	Specifications
Cloud Servers	02	CPU: Intel Xeon Dual Hexa Core Processor 1.9 GHz, 15 MB Cache; Chipset: Intel Series Chipset C600; Memory: 128 GB 2R×4 PC3-12800 RDDR3 Upgradable to 384 GB ; Hard, Disk drive: 5×600GB, 1000 rpm SAS Hot Plug; RAID Controller: SAS controller with 1GB FBWC controller, Bays: 8 or Higher Internal Hot Plug bays; Ports: 3 USB 2.0 Port, Serial Port; Certifications Windows, Red Hat Enterprises Linux, Novell; Networking: Dual LAN (10/100/1000) network card with asset tracking and security.
Firewall	01	Cyberoam 1000ING Model
Router	01	Under NKN

Name of Laboratory	No. of Computers	Name of Important Equipment
Aryabhata Computer Centre	100	Intel (R) core(TM) I-5-6500CPU @ 3.20GHz - 3.19GHz Ram : 4GB (DDR4) Hard Disk : 500 GB
C. V. Raman Lab	30	Intel (R) Core 2 Duo E <a href="#">7400CPU@2.88GHz</a> - 2.80GHz Ram : 2GB Hard Disk : 160 GB
Homi J. Bhabha Lab	30	Intel (R) Core 2 Duo E <a href="#">7400CPU@2.88GHz</a> - 2.80GHz Ram : 2GB Hard Disk : 160 GB
M. Visvesvaraya Lab	30	Intel (R) Core 2 Duo E <a href="#">7400CPU@2.88GHz</a> - 2.80GHz Ram : 2GB Hard Disk : 160 GB
Param Computing Lab	30	Intel ® Pentium D CPU @ 2.80GHz-2.80GHz RAM: 1 GB Hard Disk: 160 GB Monitor CRT 17”



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Venkatraman Radhakrishnan Lab	30	Intel (R) Core 2 Duo E <a href="#">400CPU@2.88GHz</a> - 2.80GHz Ram : 2GB Hard Disk : 160 GB
Vikram Sarabhai Lab	30	Intel (R) Pentium D CPU @ 2.80GHz - 2.80GHz Ram : 1GB Hard Disk : 160 GB
A.P.J. Abdul Kalam Lab	30	Intel (R) core(TM) I-7 Ram : 4GB (DDR4) Hard Disk : 500 GB
Srinivasa Ramanujan Lab	30	Intel (R) Pentium D CPU @ 2.80GHz - 2.80GHz Ram : 1GB Hard Disk : 160 GB
J. C. Bose Lab	30	Intel (R) Pentium D CPU @ 2.80GHz - 2.80GHz Ram : 1GB Hard Disk : 160 GB

## Video Conferencing and Networking

All the computers are connected in local area network (wired and wireless) with Internet Connection of 1Gbps leased line link and 100 Mbps 1:1 bandwidth.

Highly configured server is installed in department and latest Cisco routers and switches are used for networking.

## Student Account

### Authentication

Institute is having individual login based policy for Internet access for students.

### Data

Data Limit is 5GB/Day

### Limit



# Engineering College Ajmer

## 10. Information regarding NBA accreditation: Accredited & Applied For

The Institute has submitted 07 UG programs SAR. In the first phase, institute has submitted SAR of 5 programs i.e., ECE, EIC, EE, CS, Mech on 1<sup>st</sup> June 2018 and SAR of IT and CIVIL programs have been submitted on 15<sup>th</sup> Jan 2019. However, as per the instructions received from NBA, New Delhi, institute is preparing SAR of all 7 programs for current academic year 2018-19. The revised SAR submission will be by 16 Sep 2019. Institute has also submitted revised dates of visit in December 2019 and Jan 2020.

 राष्ट्रीय परियोजना कार्यान्वयन एकक  
(कमप्यूटरी शिक्षा में विश्व बैंक सहायक परियोजना के अंतर्गत) के लिए भारत सरकार, मानव संसाधन विकास मंत्रालय (अ. ए. एन.)  
*National Project Implementation Unit*  
(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA, FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

NPIU/TEQIP-III/NBA 18 19/ 25<sup>th</sup> January 2019

To  
Principal,  
Government of Engineering College  
Ajmer, Rajasthan

Subject: TEQIP III: Appreciation on getting 71% programs accredited or applied for

Dear Sir /Madam

This is with reference to the review meeting held with MHRD and the World Bank under the chairmanship of Secretary, H.E., MHRD on 21<sup>st</sup> Jan. 2019. The state-wise accreditation status in institutions under TEQIP-III was discussed wherein your effort in achieving the accreditation targets was acknowledged and immensely appreciated by the chair. More so you were advised to ask for submitting proposed dates so that the expert visit is completed within three months.

Further as per DI framework 25% of the Project Life Allocation (PLA) depends on meeting the DI of 50% accredited programs. In order to appreciate such institutions demonstrating commendable DI performance going beyond the desired target, MHRD has decided to award such institutes.

Therefore, with great pleasure it is conveyed that upon getting 100% of the programs accredited, your institute will be allocated additional 25% of current PLA.

NPIU-MHRD hope the institute will continue to strive hard to get accreditation for all the applied programs and claim the additional TEQIP funds.

Warm Regards

Your Sincerely  
  
Prof. (Dr) P. M. Khodke  
(Central Project Advisor)

CC:  
1. Secretary, Technical Education  
Govt. of Rajasthan  
2. Joint Secretary, Technical Education  
Govt. of Rajasthan

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वेब साइट / Web site : www.npiu.nic.in  
ई-मेल / E-mail : npiu-mhrd@gov.in



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## Mechanical Engineering

S. No.	Department	Accreditation	Accredited	Applied for
1.	Mechanical Engineering	NBA	NO	YES

## Electronic Instrumentation and Control Engineering

S. No.	Department	Accreditation	Accredited	Applied for
1.	Electronic Instrumentation and Control Engineering	NBA	NO	YES

## Electrical Engineering

S. No.	Department	Accreditation	Accredited	Applied for
1.	Electrical Engineering	NBA	NO	YES

## Electronics and Communication Engineering

S. No.	Department	Accreditation	Accredited	Applied for
1.	Electronics and Communication Engineering	NBA	NO	YES

## Civil Engineering

S. No.	Department	Accreditation	Accredited	Applied for
1.	Civil Engineering	NBA	NO	YES

## CS & IT:

S. No.	Department	Accreditation	Accredited	Applied for
1.	Electrical Engineering	NBA	NO	YES



# Engineering College Ajmer

## 11. Programmes offered (UG, PG, PhD)

### (a) Under Graduate Courses:

S.No	Name of Branch / Programme	Intake
1.	Computer Science & Engineering	90
2.	Information Technology	60
3.	Electronics & Communication Engineering	90
4.	Electrical Engineering	45
5.	Mechanical Engineering	75
6.	Civil Engineering	60
7.	Electronics Instrumentation and Control Engineering	60

### (b) Post Graduate Courses:

S.No	Name of Branch / Programme	Intake
1.	Computer Science & Engineering	18
2.	Information Technology	18
3.	Digital Communication	18
4.	Software Engineering	18
5.	Production Engineering	18



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## 12. Students strength (UG, PG, PhD): Sanctioned

a

S.No.	Year	BRANCH	SC		ST		OBC		GEN		TOTAL
			Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
1	2018-19	COMP.	7	1	2	0	6	2	70	6	94
		CIVIL	5	0	4	0	4	2	41	4	60
		ME	8	1	7	0	10	2	45	4	77
		IT	4	0	0	0	5	0	40	3	52
		EIC	9	0	0	0	13	0	17	3	42
		EE	4	0	3	0	6	1	27	5	46
		ECE	6	2	5	1	11	2	38	5	70
<b>TOTAL ADMITTED STUDENTS</b>			<b>43</b>	<b>4</b>	<b>21</b>	<b>1</b>	<b>55</b>	<b>9</b>	<b>278</b>	<b>30</b>	<b>441</b>



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## 13. Faculty & Staff positions: Sanctioned Intake & Actual filled (Regular & contract Intake & Actual

### Mechanical Engineering

Total Permanent Faculty	12
Total NPIU Faculty	03
Total Permanent Lab Technicians	05

### Electronics & Instrumentation Control Engineering

S. No.		Name	Education	Type
1.	Associate Professor	Dr. Hari Shankar Mewara (HOD)	B.E., M. Tech, Ph.D	Regular
2.		Dr. Jitendra Kumar Deegwal	B.E., M. Tech, Ph.D	
3.	Assistant Professor	Dr. C. P. Jain	B.E., M. Tech, Ph.D	
4.		Ajay Dadhich	B.E., M. Tech, Ph.D*	
5.		Dr. Anup Kumar Sharma	B.E., M. Tech, Ph.D	Contract
6.	Dr. Dipak Kumar Mishra	B.E., M. Tech, Ph.D		
7.	Mr. Raj Kumar Yadav	B.E., M. Tech, Ph.D*		
8.	Mr. Atul Kumar Sharma	B.E., M. Tech, Ph.D*		
9.	Mr. Ramesh Kumar	B.E., M. Tech, Ph.D*		



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10		Mr. Divakar Kumar	B.E., M. Tech, Ph.D*	
11		Nivedita	B.E., M. Tech, Ph.D*	

\* pursuing Programme

## Non- Teaching Staff

S. No.	Name Of Supporting Staff	Department	Designation	Date of joining
1	Anita Satyavana	EI&CE	Technician ( C )	28-Dec-12
2	Rashmi Karndikar	EI&CE	Technician ( C )	7-Jan-13
3	Kanaram	EI&CE	Lab Attendant	

## ELECTRICAL ENGINEERING

S. No.	Name	Education	Type
1.	Associate Professor Dr. K. G. Sharma (HOD)	B.E., M. Tech, Ph.D	Regular
2.	Dr. Indra Rawat	B.E., M. Tech, Ph.D	
3.	Assistant Professor Mr. Ajay Agrawal	B.E., M. Tech,	
4.	Dr. Nand Kishor Gupta	B.E., M. Tech, Ph.D	Contract
5.	Mr. K. Anil Kumar	B.E., M. Tech, Ph.D*	
6.	Mr. Gyanendra Prakash	B.E., M. Tech, Ph.D*	
7.	Mr. Arjun Pareek	B.E., M. Tech, Ph.D*	
8.	Mr. Amit Taneja	B.E., M. Tech	



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9		Mr. Arun Dev Pandey	B.E., M. Tech, Ph.D*	
10		Ms. Shivani Dwivedi	B.E., M. Tech, Ph.D*	

## Non- Teaching Staff

S. No.	Name Of Supporting Staff	Department	Designation	Date of joining
1	Mr. Prem Shankar Sehwa	EE	Technician ( B )	08/03/2000
2	Mr. Praveen Sharma	EE	Technician ( C )	28/12/2012
3	Ms. Janki Sharma	EE	Technician ( C )	
4.	Mr. Devendra	EE	Technician ( C )	28/12/2012
5.	Ms. Beena Sen	EE	Lab Attendant	

## Electronics & Communication Engineering

S. No.		Name	Education	Type
1.	Associate Professor	Dr. Uma Shankar Modani (HOD)	B.E., M. Tech, Ph.D	Regular
2		Dr. Rekha Mehra	B.Tech, M. Tech, Ph.D	
3.	Assistant Professor	Sri Anurag Garg	B.E., M. Tech, Ph.D*	
4.		Dr. Deepak Jhanwar	B.E., Ph.D	
5.		Sri Mukesh Gupta	B.E., M. Tech	
6.		Sri Lalit Kumar Dusad	B.E., M. Tech, Ph.D*	
7.		Sri Rajesh Kumar Raj	B.E., M. Tech	



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8.		Sri Harish Kumar Sharma	B.E., M. Tech	
9.		Sri Ravi Kumar Goyal	B.E., M. Tech, Ph.D*	
10.	Assistant professor (NPIU)	Dr. Jitendra Bahadur Maurya	B.Tech., M. Tech, Ph.D	Contract
11.		Mr. Imtyaz Khan	B.Tech, M. Tech, Ph.D*	
12.		Mr. Prabhat Chand Shrivastav	B.Tech, M. Tech, Ph.D*	
13.		Mr. Manoj Kumar Falaswal	B.Tech, M. Tech, Ph.D*	
14.		Miss. NamitaNallik	B.Tech, M. Tech	
15.		Mrs. DurgaKumari	B.Tech, M. Tech	
16.		Mr. DiwakarGautam	B.Tech, M. Tech, Ph.D*	

## Non-Teaching Staff

S. No.	Name Of Supporting Staff	Department	Designation
1	Dara Singh Yadav	ECE	LDC
2	Shrichand Choudhary	ECE	Technician
3	Sushil Kumar	ECE	Technician
4	Mr. Mukesh Kumar Verma	ECE	Technician
5.	Shyoraj	ECE	Lab Attendant

## Civil Engineering

Sr.No	Name	Designation	Qualification	Association with Institution
1	Dr. Pradeep Goyal	Associate Professor	Ph.D, ME, BE	Regular
2	Dr. Ganpat Singh	Assistant Professor	Ph.D, ME, BE	Regular



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3	Mr. Mahesh Manwani	Assistant Professor	B.Tech,M.Tech, Ph.D*	Regular
4	Mr. Vishal Srivastv	Assistant Professor	B.Tech,M.Tech	Regular
5	Dr. Sanklap	Assistant Professor	Ph.D, ME, BE	Contractual
6	Ms. SumanKumari Dhaka	Assistant Professor	B.Tech,M.Tech	Contractual
7	Ms. Vishnu PriyaChoudhary	Assistant Professor	B.Tech,M.Tech	Contractual
8	Mr. DhruvSaxena	Assistant Professor	B.Tech, M.E, Ph.D*	Contractual
9	Mr. Nishant Singh Kushwah	Assistant Professor	B.Tech,M.Tech	Contractual
10	Mr. Dharmendra Singh Dhaka	Assistant Professor	B.Tech,M.Tech	Contractual
11	Mr. Pravesh Saini	Assistant Professor	B.Tech,M.Tech, Ph.D*	Contractual
12	Mr. Shivam Chauhan	Assistant Professor	B.Tech,M.Tech, Ph.D*	Contractual
13	Mr. Naveen Chaudhary	Assistant Professor	B.Tech,M.TechPh.D*	Contractual
14	Mr. Anurag Kumar Singh	Assistant Professor	B.Tech,M.Tech	Contractual

\* pursuing Programme

## Non-Teaching Staff

Sr.No	Name	Designation	Association with Institution
1	Damodar Prasad Sharma	Lab Attendant	Regular
2	Harsh Nirvan	Lab Attendant	Regular
3	Anirudh Kumar	Technician	Regular
4	Ramavtar Prajapati	Technician	Regular
5	Ramesh Chand	Technician	Regular
6	Kamlesh Kumar	Technician	Regular



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## Computer Science & Information Technology:

Academic Staff (Regular)			
S.No.	Designation	Name	Qualification
1	Associate Professor	Dr. Prakriti Trivedi	Ph.D.
2	Assistant Professor	Dr. Rakesh Rathi	Ph.D.
3		Ms. Jyoti Gajrani	M.Tech., (Ph.D. Pursuing)
4		Mr. Anil Kr. Tailor	M.Tech.
5		Mr. Dinesh Kr. Khunteta	M.Tech.
6		Mr. Vinesh Jain	M.Tech., (Ph.D. Pursuing)
7		Mr. Atul Choudhary	M.Tech., (Ph.D. Pursuing)
8		Mr. Vishnu Prakash Sharma	M.Tech.
9		Mr. Prakash Meena	B.Tech., (M.Tech.Pursuing)
10		Mr. Satya Narayan	M.Tech., (Ph.D. Pursuing)
11		Mr. Sunil Kumar Khinchi	B. Tech.
12		Mr. Dilip Sisodia	B. Tech.
13		Dr. Neetu Sharma	Ph.D.
14		Mr. Deepak Gupta	M.Tech., (Ph.D. Pursuing)
15		Ms. Shikha Gupta	M.Tech., (Ph.D. Pursuing)
16		Mr. H.R. Choudhary	M.Tech.
17	Mr. Ravindra Singh	M.Tech.	

Academic Staff (NPIU)			
S.No.	Designation	Name	Qualification
1	Assistant Professor (NPIU)	Ms. Anita Choudhary	M.Tech., (Ph.D. Pursuing)



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2		Ms. Shalini Yadav	M.Tech., (Ph.D. Pursuing)
3		Mr. Rakesh Verma	M.Tech., (Ph.D. Pursuing)
4		Mr. Pawan Kumar	M.Tech.
5		Mr. Satish Ray	M.Tech.
6		Mr. Anurag Jain	M.Tech.
7		Mr. Jitendra Singh Yadav	M.Tech., (Ph.D. Pursuing)
8		Ms. Suman Choudhary	M.Tech.

Non-Technical Staff			
S.No.	Name of Technical Staff	Designation	Qualification
1	Mr. Vishal Balani	Lab Assistant	MCA
2	Mr. Nitin Bhati	Technician-C	ITI Diploma
3	Mr. Bhawani Singh Jodha	Technician (Contractual)	PGDCA
4	Mr. Vikram Singh	Technician (Contractual)	PGDCA
5	Mr. Dipankar	Technician (Contractual)	Diploma
6	Mr. Indersain	Technician (Contractual)	PGDCA



# Engineering College Ajmer

## 14. Exam Result Analysis

### Mechanical Engineering

Semester	Total students appeared	No. of students passed	Registered in next sem
VIII	92	70	22
VII	92	90	02
VI	92	71	21
V	92	75	17
IV	88	57	31
III	87	52	35

### Electronics & Instrumentation Control Engineering

NA

### Civil Engineering

S. No.	Semester, Year	Pass Parentage	Fail Parentage
1	1 <sup>st</sup> semester, I Year	24	76
2	2 <sup>nd</sup> semester, I Year	22	78
3	3 <sup>rd</sup> semester, II Year	23	77
4	4 <sup>th</sup> semester, II Year	Awaited	Awaited
5	5 <sup>th</sup> semester, III Year	46	54
6	6 <sup>th</sup> semester, III Year	77	33
7	7 <sup>th</sup> semester, IV Year	87	13
8	8 <sup>th</sup> semester, IV Year	94	6

Semester	Students Appeared for exam	No. of passed students	% passing	Students Failed	No. of Students passed with more than 75%
III	72	35	48.61	37	4
V	71	53	74.64	18	12
VII	73	62	84.93	11	12
IV	72	Result Awaited	Result Awaited	Result Awaited	Result Awaited
VI	70	52	74.29	18	4
VIII	73	64	87.67	9	43



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## 15. Transition Rate of 1st Year UG Students

Year	BRANCH	SC		ST		OBC		GEN		TOTAL
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
2018-19	<b>COMP.</b>	7	1	2	0	6	2	70	6	94
	SEM 1	1	1	1		2	2	46	3	56
	SEM 2	1	0	1	0	1	2	34	3	42
	<b>PASS (BOTH)</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>31</b>	<b>2</b>	<b>38</b>
	<b>CIVIL</b>	5	0	4	0	4	2	41	4	60
	SEM 1	1	0	0	0	2	1	13	2	19
	SEM 2	0	0	0	0	2	1	11	2	16
	<b>PASS (BOTH)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>13</b>
	<b>ME</b>	8	1	7	0	10	2	45	4	77
	SEM 1	3	1	3	0	3	1	20	1	32
	SEM 2	5	1	3	0	8	2	30	2	51
	<b>PASS (BOTH)</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>18</b>	<b>1</b>	<b>30</b>
	<b>IT</b>	4	0	0	0	5	0	40	3	52
	SEM 1	0	0	0	0	2	0	21	0	23
	SEM 2	0	0	0	0	1	0	12	0	13
	<b>PASS (BOTH)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>11</b>
	<b>EIC</b>	9	0	0	0	13	0	17	3	42
	SEM 1	0	0	0	0	4	0	6	0	10



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SEM 2	0	0	0	0	4	0	5	0	9
<b>PASS (BOTH)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>7</b>
<b>EE</b>	4	0	3	0	6	1	27	5	46
SEM 1	0	0	0	0	3	1	6	2	12
SEM 2	0	0	1	0	3	1	9	3	17
<b>PASS (BOTH)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>10</b>
<b>ECE</b>	6	2	5	1	11	2	38	5	70
SEM 1	0	1	2	0	4	0	11	2	20
SEM 2	3	1	3	0	3	0	15	2	27
<b>PASS (BOTH)</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>16</b>
<b>TOTAL STUDENT</b>	<b>43</b>	<b>4</b>	<b>21</b>	<b>1</b>	<b>55</b>	<b>9</b>	<b>278</b>	<b>30</b>	<b>441</b>
<b>TOTAL (SEM 1)</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>20</b>	<b>5</b>	<b>123</b>	<b>10</b>	<b>172</b>
<b>TOTAL (SEM 2)</b>	<b>9</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>22</b>	<b>6</b>	<b>116</b>	<b>12</b>	<b>175</b>
<b>TOTAL (PASS BOTH)</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>14</b>	<b>5</b>	<b>85</b>	<b>9</b>	<b>125</b>

**TOTAL STUDENT (SC/ST) = 69**

**TOTAL PASS = 12**

**PERCENTAGE = 17.39%**

**TOTAL STUDENT = 441**

**TOTAL PASS = 125**

**PERCENTAGE = 28.34%**



# Engineering College Ajmer

## 16. GATE Qualified Students

### GATE QUALIFIED 2018-19

S.No.	Name of Student	RANK	Qualifying Degree
1	AKSHAY SHARMA	6855	Computer Engineering
2	KARAN AGARWAL	10776	Computer Engineering
3	KAUSHAL SURANA	2966	Computer Engineering
4	KIRTI PRASHAD ARYA	9162	Computer Engineering
5	PRATYUT SHARMA	8252	Computer Engineering
6	RAHUL KUMAR MODASIA	24636	Computer Engineering
7	SANJAY	14088	Computer Engineering
8	SHIVAM KASAT	2050	Computer Engineering
9	SUNNY BUNDEL	28066	Computer Engineering
10	VISHWAS VEDI	9923	Computer Engineering
11	Ravinder Kumar	24110	Civil Engineering
12	Dinesh Panwar	18558	Civil Engineering
13	Nitish Nama	22443	Civil Engineering
14	Vikram Singh Rathore	13317	Civil Engineering
15	Narpat	18558	Civil Engineering
16	Sunil Jangir	21654	Civil Engineering
17	Sunil Kumar	11272	Civil Engineering
18	Vaibhav Sharma	16996	Civil Engineering
19	Naval kishor meena	15638	Civil Engineering
20	Sonu Prajapat	6412	Civil Engineering
21	Shantilal	1088	Electronics & Communication
22	RASHMI PRAJAPATI	1088	Electronics & Communication
23	BHAVESH KUMAR	3180	Electronics & Communication



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24	VAIBHAV CHOUDHARY	3295	Electronics & Communication
25	ABHISHEK R VASISTHA	6956	Electronics & Communication
26	UMANG AGARWAL	7103	Electronics & Communication
27	YOGESH JANGID	8900	Electronics & Communication
28	BABITA	9030	Electronics & Communication
29	ANUSHRI BADIKA	9896	Electronics & Communication
30	NADEEM AHMAD KHAN	9896	Electronics & Communication
31	ANKITA	10441	Electronics & Communication
32	Tarun Choudhary	11242	Electronics & Communication
33	YASHPAL PALIWAL	12473	Electronics & Communication
34	DHEERAJ KUMAR	16182	Electronics & Communication
35	RAKESH PANNU	21647	Electronics & Communication
36	RAJENDRA KUMAR BAIRWA	24213	Electronics & Communication
37	AKSHAT GUPTA	7531	Electrical Engg.
38	ANSHUL YADAV	18135	Electrical Engg.
39	AVDESH KUMAR LAKHERA	17583	Electrical Engg.
40	HARENDRA KHOJA	5910	Electrical Engg.
41	JEETENDRA BAIRWA	30239	Electrical Engg.
42	JITENDRA SINGH DHAKED	21171	Electrical Engg.
43	KHARTA RAM PATEL	13350	Electrical Engg.
44	NISHIT SHARMA	8900	Electrical Engg.
45	RAKESH KASNIYA	21171	Electrical Engg.
46	RAMESH KUMAWAT	5045	Electrical Engg.
47	SANJAY BHARGAV	18135	Electrical Engg.
48	SOURABH JAIN	14473	Electrical Engg.
49	YUVRAJ SINGH RATHORE	2141	Electrical Engg.
50	ANJANA ROY	33589	Mechanical Engg.



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51	ANUJ KUMAR TOMER	15201	Mechanical Engg.
52	Anurag Sharma	7550	Mechanical Engg.
53	Bajrang Bishnoi	10401	Mechanical Engg.
54	BASANT CHOUDHARY	19836	Mechanical Engg.
55	Bhavesh Patel	10515	Mechanical Engg.
56	HAIDER ALI	26439	Mechanical Engg.
57	Kamal	13762	Mechanical Engg.
58	karan singh gurjar	8289	Mechanical Engg.
59	KRISHAN KUMAR	26917	Mechanical Engg.
60	Manish Kumar	823	Mechanical Engg.
61	Manoj Parmar	27590	Mechanical Engg.
62	Mukesh Kumawat	10623	Mechanical Engg.
63	Naveen Yadav	7000	Mechanical Engg.
64	RAJAT SHARMA	387	Mechanical Engg.
65	Rajesh Jangid	17938	Mechanical Engg.
66	RAVINDRA SHARMA	24505	Mechanical Engg.
67	AKASH DHETARWAL	995	EICE
68	PRADEEP KUMAR PATIDAR	229	EICE
69	VISHNU KUMAR SHARMA	908	EICE
70	DIPAK JAIN	1199	EICE
71	RAMKISHAN MEENA	1040	EICE



## 17. Training Programmes held for students

### MECHANICAL ENGINEERING

Name of Program	Year of Study	No. of Students	Duration
In-house Training Program	II year	55	07-07-18 to 21-07-18
Employability Skills Exam	II, III and Final Year	241	28-08-2018 to 30-08-2018
HMT Ajmer	II Year	40	11-04-19
Choyal Industry	III Year	78	21-01-2019
BDS University	III Year	60	29-09-18
Jaipur foot industry	III Year	60	29-09-18
RSRTC workshop and ILFS Skill education, Makhupura	II Year	55	04-08-18
<ul style="list-style-type: none"> <li>Seminar on "Live experience on flying simulator, IPEV and career prospects in Indian Air Force"</li> </ul>	III	80	28th March 2018
<ul style="list-style-type: none"> <li>One Day Aero-modeling Workshop on Flying Gliders/ Chuck Gliders</li> </ul>	All	90	11th Oct. 2018
<ul style="list-style-type: none"> <li>Industrial Visit of Students to OM-Shivam Steels (Foundry Industry)</li> </ul>	I	60	25th Oct. 2018
<ul style="list-style-type: none"> <li>One day Training Program on "Financial Willness Enhancement"</li> </ul>	All	51	20th Dec. 2018
<ul style="list-style-type: none"> <li>SAEINDIA GECA Industrial Practical Training at Maruti, Relan Motors Pvt. Ltd. from</li> </ul>	IV	8	22nd Dec. 2018 to 1st Jan. 2019
<ul style="list-style-type: none"> <li>SAEINDIA GECA Industrial Practical Training Hyundai,</li> </ul>	IV	9	



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Shivam Motors Pvt. Ltd. from			22nd Dec. 2018 to 1st Jan. 2019
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## Electronics & Instrumentation Control Engineering

1. A 15 days training program for 3<sup>rd</sup> semester students "Training on MATLAB and LabVIEW" from 02/07/2018 to 16/07/2018 has been organized at Computer lab of EIC Dept.
2. A workshop on "PLC and SCADA" has been organized on 15/10/2018 for 3<sup>rd</sup> year and final year students.

## Electronics & Communication Engineering

Sr. No.	Training Program	Coordinators	Date
1.	<ul style="list-style-type: none"> <li>15 Days In-house Internship on C/C++/MATLAB at GECA, July-2018</li> </ul>	1. Manoj Falaswal 2. Namita Mallik 3. Jitendra Bahadur Mourya	From 03/07/2018 to 17/07/2018
2.	<ul style="list-style-type: none"> <li>15 Days In-house Internship on "Scilab/Python," at GECA, July-2019</li> </ul>	1. Manoj Falaswal 2. Namita Mallik 3. Durga Kumari 4. Diwakar Gautam	From 17/06/2019 to 01/07/2019

## Civil Engineering

Sr. No	Name of Course	Name of Organizing Convener	Place	Date	Funding Agency



# Engineering College Ajmer

1	Workshop on hands on practice "MS Office"	Mr. Pravesh Saini	Civil Engineering Department	July 23-25, 2019	-
2	Hands on practice Workshop on "AUTO CADD" by CADD centre	Dr. Ganpat Singh	Civil Engineering Department	29-06-2019	TEQIP-III
3	Sensitization Workshop on Massive Open Online Courses (MOOCs) "	Mr. Pravesh Saini & Mr. Dhruv Saxena	Civil Engineering Department	July 18-19, 2019	TEQIP-III
4	Technical Seminar on "Physical and Chemical properties of cement and Mix design of concrete" by J.K. Super Cement	Mr. Nishant Singh & Mr. Pravesh Saini	Civil Engineering Department	28-01-2019	TEQIP-III

## Computer Science & Information Technology

S. No.	Name of the Organizing Secretary/ Coordinator	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Dr. Rakesh Rathi	Coordinator	In House Summer Training on C & C++ Programming for B.Tech IInd Year CS & IT	GEC AJMER	June 13-29, 2019	-
2.	Mr. S.N. Tazi	Coordinator	Badlee Cooperation on IOS Development	GEC AJMER	August 18, 2018	TEQIP-III
3.	Mr. S.N. Tazi	Coordinator	Python & Image Processing	GEC AJMER	Sept 14-15, 2018	TEQIP-III



# Engineering College Ajmer

## 18. Training programmes held for teachers & staff

### Mechanical Engineering

Sr. No.	Organizing Department/Institute	Event Name
1.	Mechanical	Workshop on "Research projects, funding and opportunities in Engineering and science", 29-05-2019 to 30-05-2019, GECA
2.	GECA	One day Training Program on "Financial Willness Enhancement" on 20th Dec. 2018

### Electronics & Instrumentation Control Engineering

1. A five day workshop organized on "Embedded Systems & Interfacing Hands-on" from 10-14 June 2019 at GEC Ajmer.

### Electronics & Communication Engineering

Sr. No.	Name of Faculty	Event Name
1.	Dr. Rekha Mehra	<ol style="list-style-type: none"><li>1. Organizing Committee member of the International conference "Optical and Wireless Technology 2018" organized by MNIT Jaipur from 10/2/18 to 11/2/18.</li><li>2. Member organizing committee for workshop organized by ECE department from 23<sup>rd</sup> to 27<sup>th</sup> July 2018.</li></ol>



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2.	Mr. Mukesh Gupta	<ul style="list-style-type: none"> <li>One week STC “Nature Inspired Algorithms for Engineering Applications” 23<sup>rd</sup> to 27<sup>th</sup> July 2018</li> </ul>
3.	Mr. Anurag Garg	FDP- “Nature Inspired Algorithms for Engineering Applications.”
4.	Mr. Manoj Kumar Falaswal	<ul style="list-style-type: none"> <li>15 Days In-house Internship on C/C++/MATLAB at GECA, July-2018</li> <li>15 Days In-house Internship on "Scilab/Python," at GECA, July-2019</li> </ul>

## Civil Engineering

S. No.	Name of the Organizing Secretary/Conveners	Designation	Title of Event	Place	Date(s)	Funding Agency
1	Dr. Pradeep Goyal	Associate Professor	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	Sept. 11-15, 2018	TEQIP-III

## Participation of Faculty in STC/FDP/Seminar/Symposia/Workshop/Conference

S.No.	Name of the Faculty	Name of the Course	Place	Funding Agency	Date(s)
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# Engineering College Ajmer

1	Dr. Ganpat Singh	Five Days Short Term Course on “DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING”	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
2	Dr. Ganpat Singh	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
3	Mr. Mahesh Manwani	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
4	Mr. Mahesh Manwani	Five Days Short Term Course on “DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING”	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
5	Mr. Mahesh Manwani	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
6	Mr. Mahesh Manwani	One week FDP on "Innovative Technologies for Sustainable water Resource Management”.	VJTI, Mumbai	TEQIP-III Sponsored	June 10-15, 2019
7	Dr. Sanklap	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018



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8	Dr. Sanklap	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
9	Dr. Sanklap	Five Days Short Term Course on "DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING"	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
10	Dr. Sanklap	Two-day Workshop on "RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES"	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
11	Ms. SumanKumari Dhaka	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
12	Ms. SumanKumari Dhaka	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
13	Ms. SumanKumari Dhaka	Two-day Workshop on "RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES"	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
14	Ms. Vishnu PriyaChoudhary	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
15	Ms. Vishnu PriyaChoudhary	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019



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16	Ms. Vishnu PriyaChoudhary	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
17	Mr. DhruvSaxena	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
18	Mr. DhruvSaxena	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
19	Mr. DhruvSaxena	Five Days Short Term Course on “DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING”	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
20	Mr. DhruvSaxena	Workshop on Earthquake Disaster Mitigation	NIT Silchar	TEQIP-III Sponsored	20-24 January 2019
21	Mr. Nishant Singh Kushwah	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
22	Mr. Nishant Singh Kushwah	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
23	Mr. Nishant Singh Kushwah	Five Days Short Term Course on “DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING”	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019



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24	Mr. Nishant Singh Kushwah	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
25	Mr. Dharmendra Singh Dhaka	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
26	Mr. Dharmendra Singh Dhaka	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
27	Mr. Dharmendra Singh Dhaka	Five Days Short Term Course on “DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING”	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
28	Mr. Dharmendra Singh Dhaka	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
29	Mr. Dharmendra Singh Dhaka	Workshop on Earthquake Disaster Mitigation	NIT Silchar	TEQIP-III Sponsored	20-24 January 2019
30	Mr. Dharmendra Singh Dhaka	One week FDP on "Innovative Technologies for Sustainable water Resource Management”.	VJTI, Mumbai	TEQIP-III Sponsored	June 10-15, 2109
31	Mr. Pravesh Saini	One week STC on "Computational Techniques and Their Applications in Engineering"	GEC Ajmer	TEQIP-III Sponsored	September 11-15, 2018
32	Mr. Pravesh Saini	STC on "Urban Traffic Modeling and Control"	IIT, GUWAHATI	TEQIP-III Sponsored	04/09/2018 to 08/09/2018



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33	Mr. Pravesh Saini	International Symposium on "Innovation in Teaching Learning Process in Engineering & Technology (iTeL-2019)"	GEC, Jagadapur	TEQIP-III Sponsored	07-09 Feb. 2019
34	Mr. Pravesh Saini	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
35	Mr. Naveen Choudhary	International Symposium on "Innovation in Teaching Learning Process in Engineering & Technology (iTeL-2019)"	GEC, Jagadapur	TEQIP-III Sponsored	07-09 Feb. 2019
36	Mr. Naveen Choudhary	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
37	Mr. Naveen Choudhary	Five Days Short Term Course on "DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING"	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019
38	Mr. Naveen Choudhary	Two-day Workshop on "RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES"	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
39	Mr. Shivam Chauhan	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
40	Mr. Shivam Chauhan	Five Days Short Term Course on "DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN SCIENCES AND ENGINEERING"	Government Engineering College, Ajmer	TEQIP-III Sponsored	1st - 5th March 2019



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41	Mr. Shivam Chauhan	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
42	Mr. Shivam Chauhan	GIAN Program on MULTI- SCALE MODELLING OF ADVANCED MATERIALS,	Malaviya National Institute of Technology Jaipur	TEQIP-III Sponsored	June 16 - 29, 2019
43	Mr. Shivam Chauhan	Five Days Short Term Training Program on “APPLICATION OF REMOTE SENSING AND GIS IN PREPARATION OF MASTER PLAN AND ZONAL DEVELOPMENT PLAN”	MNIT Jaipur	TEQIP-III Sponsored	31 January-4 February 2019
44	Mr. Anurag Singh	One-week workshop on "Advanced Pedagogies"	IIT, Bombay	TEQIP-III Sponsored	03/06/2019 to 07/06/2019
45	Mr. Anurag Singh	Two-day Workshop on “RESEARCH PROJECTS, FUNDING AND OPPORTUNITIES IN ENGINEERING & SCIENCES”	Government Engineering College, Ajmer	TEQIP-III Sponsored	29th May 2019 to 30th May 2019
46	Mr. Pravesh Saini	One Month "Summer Faculty Internship 2019"	IIT Bombay	TEQIP-III Sponsored	09/06/2019 to 08/07/2019
47	Mr. Dhruv Saxena	One Month "Summer Faculty Internship 2019"	IIT Bombay	TEQIP-III Sponsored	20/05/2019 to 25/06/2019
48	Mr. Naveen Choudhary	One Month "Summer Faculty Internship 2019"	IIT Bombay	TEQIP-III Sponsored	12/06/2019 to 11/07/2019



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## Computer Science & Information Technology

S. No.	Name of the Organizing Secretary/ Coordinator	Designation	Title of Event	Place	Date(s)	Funding Agency
1.	Dr. Rakesh Rathi	Local Coordinator	Deep Learning Applications	GEC AJMER	May 27th - 31st 2019	ICT
2.	Mr. Vinesh Kumar Jain	Local Coordinator	Robotics & Artificial Intelligence Security	GEC AJMER	June 24th – 28th 2019	ICT
3.	Mr. Deepak Gupta, Mr. H.R. Choudhary	Local Coordinor	Robotics & Artificial Intelligence Security	GEC AJMER	June 24th – 28th 2019	ICT
4.	Mr. Vishnu Prakash Sharma	Local Coordinor	Network Security	GEC AJMER	May 20th - 24th , 2019	ICT
5.	Ms. Jyoti Gajrani	Local Coordinor	Network Security	GEC AJMER	May 20th - 24th , 2019	ICT
6.	Ms. Jyoti Gajrani, Mr. Dilip Sisodia	Committee Member	Research Projects, Funding, and Opportunities in Engineering & Sciences	GEC AJMER	May 29-30, 2019	TEQIP-III
7.	Mr. Satyanarayan Tazi	Local Coordinator	Introduction to Programming: A Pedagogy Approach	GEC AJMER	June 17th - 22th , 2019	ICT
8.	Mr. Satyanarayan Tazi	Local Coordinator	Deep Learning and Applications	GEC AJMER	May 27th - 31st , 2019	ICT



## 19. Student's Internship Data

### MECHANICAL ENGINEERING

S.No.	Name of Students	Year of Study	internship Organisation/Institute	Duration
1	<ul style="list-style-type: none"><li>• Mayank Chaturvedi</li><li>• Sheetal Vaishnav</li><li>• Sachin Faujdar</li><li>• Priyanshu Chabra</li><li>• Shahid Ali</li><li>• Kamlesh Kumar Kumawat</li><li>• Sachin Sharma</li></ul>	III Year	Summer Intership Program at IIT Bombay	23-05-2019 to 10-07-2019
2	<ul style="list-style-type: none"><li>• Siddharath Sharma</li><li>• Akshansh Kumar Sharma</li><li>• Mayank Hisariya</li><li>• Pramod Bhadu</li><li>• Yogesh Yadav</li></ul>	II Year	Summer Internship Program at VJTI Mumbai	20-05-2019 to 10-07-2019

### Electronics & Instrumentation Control Engineering

Following students of 3<sup>rd</sup> year have done internship of 45 days at VJTI Matunga, Mumbai from 1/6/2019 to 15/7/2019:

Sl no.	Roll no.	Name of the Student
1	17EI009	Dheeraj Sen
2	17EI012	Gauri Sharma
3	17EI015	Hemant Kumar Soni
4	17EI019	Kamlesh Rawat
5	17EI028	Naman Parashar

### ELECTRICAL ENGINEERING



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Following students of 3<sup>rd</sup> year have done internship of 45 days at VJTI Matunga, Mumbai from 1/6/2019 to 15/7/2019:

Sl no.	Roll no.	Name of the Student
1	17EE41	Sumit
2	17EE47	Youraj Singh
3	17EE44	Tushar Pradhan
4	17EE25	Pradhuman Tailor
5	17EE39	Shivank Shikerwar

## Civil Engineering

Name	College Number	Present Semester	Type of Internship	Name of the organization	Total time period (in days)
Rohit Kumar Mahawar	17CE48	4th	Industry / Field	JDA, Jaipur	45
Rajesh Lilaramani	17CE44	4th	Industry / Field	PWD Ajmer	42
Bharat Saini	16CE09	6th	Industry / Field	PWD	60
Hariom Meena	17CE16	4th	Industry / Field	Railway construction office	45
Kapil Jangid	17CE23	4th	Academic Institutions	VJTI	37
Trilok Tak	17CE56	4th	Industry / Field	PWD AJMER	45
Prem	17CE41	4th	Industry / Field	PWD Ajmer	45
Yash Chouhan	17CE60	4th	Industry / Field	VJTI MUMBAI	45
Sanjeev	17CE52	4th	Industry / Field	PWD AJMER	40
Nidhi Choudhary	17CE37	4th	Industry / Field	PWD Sikar	45
Devendra Kumar Rathore	16CE14	6th	Industry / Field	PWD BALI	60
Lokesh Nagar	17CE29	4th	Industry / Field	PWD KOTA	45
Mahendra Sirvi	17CE30	4th	Industry / Field	Pwdpali	30
Pooja Bhasin	16CE35	6th	Industry / Field	Jaipur Development Authority	60
Hemant Verma	18CE73D	4th	Industry / Field	PWD KOTA	45
Naveen Darq	17ce34	4th	Industry / Field	PANCHAYAT SAMITI , DUDU	45
Rahul Kumar Gupta	16CE39	6th	Industry / Field	PWD ajmer	60



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Harshal Verma	16CE18	6th	Industry / Field	Jdajaipur	60
Aman Joshi	17CE05	4th	Industry / Field	PWD Rawatbhata	45
Mohit Acharya	16CE30	6th	Industry / Field	PWD AJMER	60
Aishwary Maleyvar	16CE02	6th	Industry / Field	PWD Ajmer	60
Satish Kumar	16CE49	6th	Industry / Field	PWD AJMER	60
Golu Kumar Sharma	16CE16	6th	Industry / Field	PWD Ajmer	60
Gori Shankar	16CE17	6th	Industry / Field	PWD AJMER	60
Rajendra	16ce40	6th	Industry / Field	Indian railways, jodhpur	60
Ram Gopal Saini	16CE42	6th	Industry / Field	PWD ,AJMER	60
Saumya Ushara	17CE53	4th	Industry / Field	PWD Tonk	45
Mahishikha Kumpawat	16CE26	6th	Industry / Field	PWD Ajmer	60
Pawan Saini	16CE34	6th	Industry / Field	WCR,kota	60
Komal Meena	17CE68D	6th	Industry / Field	Vjti	60
Rajendra Prasad Sharma	17CE72D	6th	Industry / Field	Ajmer railway	60
Sanjay Choudhary	16CE50	6th	Industry / Field	PWD AJMER	60
Shubham Gaur	16CE55	6th	Industry / Field	Pwdajmer	60
Deepak Ahlawat	16ce11	6th	Industry / Field	Ajmer railways	60
Rameshwar Jakhar	16CE43	6th	Industry / Field	PWD JODHPUR	60
Chandramani Solanki	17CE11	4th	Industry / Field	PWD Jodhpur	45
Sneha	16ce56	6th	Industry / Field	Ajmer railway	60
Vidisha Jareda	16CE62	6th	Industry / Field	Nagar Nigam, Jaipur	60
Nidhi Choudhary	17CE37	4th	Industry / Field	PWD Sikar	45
Monish Bahal	17ce70d	6th	Industry / Field	Railway workshop jodhpur	60
Aditya Mohanpuriya	17CE03	4th	Industry / Field	Pwdjaipur	45
Rakesh Ranjan	17CE45	4th	Industry / Field	PWD Nalanda	45
Trilok Tak	17CE56	4th	Industry / Field	PWD AJMER	45
Sanjeev	17CE52	4th	Academic Institutions	Pwdalwar	40
Deepesh	16CE12	6th	Industry / Field	PWD Ajmer	60
Khushiram Choudhary	17CE26	4th	Industry / Field	PWD AJMER	45
Divash Kumawat	17CE66D	6th	Academic Institutions	PWD (Deeg) Bharatpur	60
Kamlesh Kumar Mahawar	17CE67D	6th	Industry / Field	PWD Ajmer	60
Kamlesh Samariya	18CE75D	4th	Industry / Field	PWD Ajmer	45



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Askand Mishra	17CE08	4th	Industry / Field	NE Railway Gorakhpur	45
Rohit Kumar Mahawar	17CE48	4th	Industry / Field	JAIPUR DEVELOPMENT AUTHORITY	45
Mohammed Rasheed Sheikh	17CE69D	6th	Industry / Field	PWD Parbatser	60
Jitesh Limba	17CE21	4th	Industry / Field	PWD jodhpur	45
Rakesh Jangid	18CE79D	4th	Industry / Field	Symphonia And Graphicus Pvt. LTD. Jaipur	45
Sandeep Jharotiya	17CE50	4th	Industry / Field	PWD Ajmer	45
Ram Gopal Saini	16CE42	6th	Industry / Field	PWD ajmer	60
Priyanshi Tanwar	16CE36	6th	Industry / Field	RSRDC, Ajmer	45
Kamlesh Samariya	18CE75D	4th	Industry / Field	PWD AJMER	45
Dariyav Vaishnav	17CE65D	6th	Industry / Field	ADA ajmer	45
Shubhanshi Sharma	17CE73D	6th	Industry / Field	ADA Ajmer	45
Premprakash Meghwal	17CE65	4th	Industry / Field	PHED ,Makrana,nagaur	45
Shrikant Sharma	16CE54	6th	Industry / Field	PWD Ajmer	60
Arpit Khandelwal	17CE07	4th	Industry / Field	VJTI Mumbai	45
Sarika Mewara	16CE51	6th	Industry / Field	ADA ajmer	45
Navneet Sharma	18CE77D	4th	Industry / Field	Bharat construction prvt. Ltd. HZL Daribarajsamand	45
Nidhi Choudhary	17CE37	4th	Industry / Field	PWD Sikar	45
Bhavya Choudhary	17CE10	4th	Industry / Field	RADHAKISHAN INFRA DEVELOPERS PRIVATE LIMITED, Degana	45
Hitesh Maurya	17CE18	4th	Industry / Field	VJTI Mumbai	45
Shrikant Sharma	16CE54	6th	Industry / Field	PWD Ajmer	60
Shivam Sahu	16CE53	6th	Industry / Field	PWD Ajmer	2
Aashish Panwar	16CE01	6th	Industry / Field	PWD	60
Divyansh Sinha	17CE14	4th	Industry / Field	G.R infra limited	45
Priyank Bhardwaj	17CE66	4th	Industry / Field	PWD SAWAI MDHOPUR	45
Geetika	18CE72D	4th	Industry / Field	Railway	45



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Anurag Singh	18CE70D	4th	Industry / Field	Railway PWD Ajmer	45
Hemant Verma	18CE73D	4th	Industry / Field	PWD AJMER	45
Navneet Sharma	18CE77D	4th	Industry / Field	Hzldaribarajsamand	45
Julee Pandey	18CE74D	4th	Industry / Field	Railway ajmer	45
Prem	17CE41	4th	Industry / Field	PWD Ajmer	45
Prem	17CE4q	4th	Industry / Field	PWD Ajmer	45
Deepesh Meena	16CE12	6th	Industry / Field	PWD Ajmer	60
Rohitash Kumar Bairwa	17CE49	4th	Industry / Field	PWD Bandikui	45
Naveen Dara	17ce34	4th	Industry / Field	Panchayat Smith ,Dudu	45
Prem Prakash Meghwal	17CE65	4th	Industry / Field	PWD Makrana,nagaur	45
Pravesh Kumar	17CE40	4th	Industry / Field	PWD AJMER	45
Mukulsen	17CE32	4th	Industry / Field	Pwddudu	45
Ravinder Singh	16CE44	4th	Industry / Field	JDA	60
Yash Kumar Sharma	17ce61	4th	Industry / Field	PWD Buduan	45
Kuldeep	16ce22	6th	Industry / Field	JDA	60
Ankush Malpani	18CE69D	4th	Academic Institutions	Symphonia and graphicus private limited	41
Sarthak Agarwal	17CE67	4th	Industry / Field	Mittal Dewellerspvt. Ltd. , Ajmer	45
Dalveer Purohit	17CE12	4th	Industry / Field	PWD Revdarsirohi or PWD sirohi	45
Mahendra Sirvi	17CE30	4th	Industry / Field	Pwdbangalore	45
Aditya Kumar Nehra	17CE02	4th	Industry / Field	PWD SIKAR	45
Pranav Sharma	17CE71D	6th	Industry / Field	PWD Ajmer	60
Ramveer Singh	17CE46	4th	Industry / Field	PWD, Jodhpur	46
Sandeep Kumar	17CE51	4th	Industry / Field	PWD karauli	45
Hariommeena	17CE16	4th	Industry / Field	Railway pwd department	45
Hariommeena	17CE16	4th	Industry / Field	Railway pwd department	45
Muneeb Jamal Kumar	17CE33	4th	Industry / Field	Pwd sub division Achabal	45
Tarachand Bhati	17CE68	4th	Industry / Field	PWD Jaisalmer	45
Priyanshi Tanwar	16CE36	6th	Industry / Field	RSRDC, Ajmer	45



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Puneet Choudhary	16ce37	6th	Industry / Field	NWR railway, ajmer	60
Khushiram Choudhary	17CE26	4th	Industry / Field	PWD AJMER	45
Navrang Lal Kumawat	17CE35	4th	Academic Institutions	Public health department sikar	45
Kshitiz Jangid	17CE28	4th	Industry / Field	Larsen & Toubro, Rawatbhata Atomic Power Stations 7 & 8	45
Hariom Meena	17CE16	4th	Industry / Field	Railway pdw department	45
Karan Singh Yadav	17CE24	4th	Industry / Field	PWD Chaksu	45
Kapil Jangid	17CE23	4th	Industry / Field	VJTI MUMBAI	37
Reena Mirdha	17CE47	4th	Academic Institutions	VJTI Mumbai	37
Kashish Gidwani	17ce25	4th	Industry / Field	Ultratech cement, marketing and consultation unit.	45
Devendra Kumar Rathore	16CE14	6th	Industry / Field	PWD BALI	60
Yogesh Meena	17CE63	4th	Academic Institutions	PWD DAUSA	45
Bharat Saini	16CE09	6th	Industry / Field	Pwdajmer	60
Surya Kant Joshi	17ce55	4th	Industry / Field	B.P Modi ,Jaipur	45
Vidya Kumari	17CE57	4th	Industry / Field	PWD Ajmer	45
Lokesh Nagar	17CE29	4th	Industry / Field	PWD KOTA	45
Suman Prakash	17CE54	4th	Industry / Field	Pwdajmer	45
Darshit Sharma	16CE10	6th	Industry / Field	PWD Ajmer	60
Yashdeep Shekhawat	17CE62	4th	Industry / Field	PWD JAIPUR	45
Amaanali	17CE04	4th	Industry / Field	PWD KOTA	45
Mahendra Sirvi	17CE30	4th	Industry / Field	PWD PALI	45
Tarachand Bhati	17ce68	4th	Industry / Field	Pwdjaisalmer /pokaran	45
Shubham Gaur	16CE55	6th	Industry / Field	PWD AJMER	60
Mohit	17CE64	4th	Industry / Field	Madhusudan engineering company	45
Anju Kumari	16CE05	6th	Industry / Field	Rajasthan state road development & Construction corporation Ltd.	45



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Dalveer Purohit	17CE12	4th	Industry / Field	PWD reodar	45
Khajanti Kumar	16CE21	6th	Industry / Field	BCCIDhanbad	60
Komal Meena	17CE68D	6th	Industry / Field	Mahima group	60
Lakshman Singh Rawat	16CE23	6th	Academic Institutions	PWD Ajmer	60
Mohit Kumar Choudhary	16CE31	6th	Industry / Field	Smart city jaipur	60
Lokesh Choudhary	16ce24	6th	Industry / Field	Samrt city Jaipur	57
Rohit Choudhary	16CE47	6th	Industry / Field	Lion engineering consultant Bhopal	60
Dinesh Kumar	17CE13	4th	Industry / Field	PWD Ajmer	45
Puneet Choudhary	16ce37	6th	Industry / Field	NWR Ajmer	60
Ram Gopal Saini	16CE42	6th	Industry / Field	PWD,AJMER	45
Shankar Singh	16ce52	6th	Industry / Field	North Western Railway,Ajmer	60
Pravesh Kumar	17CE40	4th	Industry / Field	PWD AJMER	45
Akash Meena	16CE03	6th	Industry / Field	PWD Ajmer	60
Rajesh Kumar	16CE41	6th	Industry / Field	Smart city, Jaipur	60
Prashant Kumar	17CE39	4th	Industry / Field	PWD AJMER	45
Sarika Mewara	16CE51	6th	Industry / Field	ADA ajmer	45
Shubhanshi Sharma	17CE73D	6th	Industry / Field	ADA, Ajmer	45
Arvind Singh	16CE06	6th	Industry / Field	NORTH WESTERN RAILWAY AJMER	60
Manish Tripathi	16CE27	6th	Industry / Field	North Western Railway,Ajmer	60
Sanjay Choudhary	16CE50	6th	Industry / Field	PWD AJMER	60
Ram Gopal Saini	16CE42	6th	Industry / Field	PWD,AJMER	60
Vinod Choudhary	17CE58	4th	Industry / Field	PWD pratagarh	46
Sohan Lal	16ce57	6th	Industry / Field	Pwd jodhpur	60
Mdsadique Akhtar	16CE29	6th	Industry / Field	PWD AJMER	60
Rahman Ali	17CE42	6th	Industry / Field	PWD sadulpur	45
Nikshit Chauhan	16CE32	6th	Industry / Field	NWR AJMER	60
Julee Pandey	18CE74D	6th	Industry / Field	Railway	45
Navneet Sharma	18CE77D	4th	Industry / Field	Bharat construction co. Ajmer	45
Hemendra Chaudhary	17CE17	4th	Industry / Field	M/S MADHUSUDAN	45



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				ENGINEERING COMPANY	
Anurag Singh	18CE70D	4th	Industry / Field	Railway Ajmer	45

## Computer Science & Information Technology

- Ten students were selected for internship at VJTI Mumbai

Student Name	Department	Email-Id
YASH KHANDELWAL	Computer Science and Engineering	yashkhandelwal2017@gmail.com
NAMRATA AGARWAL	Computer Science and Engineering	namratasonal26@gmail.com
SHREEYANSH PARIHAR	Computer Science and Engineering	shreeyanshparihar@gmail.com
GAJESH LADHAR	Computer Science and Engineering	gajeshladhar@gmail.com
GAURAV BUWA	Computer Science and Engineering	gauravbuwa98@gmail.com
GOPAL RAWAT	Information Technology	singhgopalsg876@gmail.com
VISHAL SONI	Information Technology	vishalsoni2225@gmail.com
ANKIT BAJAJ	Information Technology	ankitbajaj7250@gmail.com
GAURAV JANGID	Information Technology	gauravjangid622000@gmail.com
PARESH KAKANI	Information Technology	kakaniparesh1@gmail.com

07 students were selected for internship at IIT Mumbai



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Student Name	Department	Email-Id
Pankaj Agarwal	Computer Science and Engineering	agarwalpankaj64@gmail.com
Shubhanshu Shukla	Computer Science and Engineering	shubhanshushukla98@gmail.com
Deepansu Dadich	Computer Science and Engineering	Deepansudadich1999@gmail.com
Sahaj Garg	Computer Science and Engineering	<a href="mailto:gargvishu404@gmail.com">gargvishu404@gmail.com</a>
Rahul Ameta	Computer Science and Engineering	<a href="mailto:rahulameta98@gmail.com">rahulameta98@gmail.com</a>
Rajat Jadam	Computer Science and Engineering	<a href="mailto:rjtjdm@gmail.com">rjtjdm@gmail.com</a>
Manpreet Singh	Computer Science and Engineering	<a href="mailto:mnprtsnny@gmail.com">mnprtsnny@gmail.com</a>



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## 20. Campus Placement Data

S No.	Candidate Name	Specialization	Placed In	Date	Package
1	Archit Jain	Mechanical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
2	Arpit Mathur	Mechanical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
3	Jaya Khatwani	Mechanical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
4	Nitu Dawada	Mechanical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
5	Kiran	Mechanical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
6	Shivdutt	Electrical Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
7	Manisha Yadav	Elect. Comm. & Engineering 2018	DENSO Haryana	5.8.2018	5.00 Lacs
8	Kaushal Surana	Computer Engineering	TCS, New Delhi	30.8.2018	3.33 Lacs
9	Aakanksha S Ranga	Elect. Comm. & Engineering	Robert BOSCH	6.9.2018	5.00 Lacs
10	Ankita Misra	Elect. Comm. & Engineering	Robert BOSCH	6.9.2018	5.00 Lacs
11	Anushree Badika	Elect. Comm. & Engineering	Robert BOSCH	6.9.2018	5.00 Lacs
12	Divya Jagetia	Elect. Comm. & Engineering	Robert BOSCH	6.9.2018	5.00 Lacs
13	Nidhi Khandelwal	Elect. Comm. & Engineering	Robert BOSCH	6.9.2018	5.00 Lacs



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14	Karan Vatwani	Information Technology 2018	Capgemini	7.9.2018	4.00 Lacs
15	Shivam Yadav	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
16	Vinit Tamoli	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
17	Umang Agarwal	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
18	Hemant Agarwal	Information Technology	MEngage	24.9.2018	2.00 Lacs
19	Prateek Verma	Mechanical Engineering	MEngage	24.9.2018	2.00 Lacs
20	Kuldeep Singh Chauhan	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
21	Supratim Cakravarty	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
22	Prateek Jindal	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
23	Harshit Gupta	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
24	Harsh Bansal	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
25	Aryan Kuma	Electronic Inst. & Control	MEngage	24.9.2018	2.00 Lacs
26	Sufiyan	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
27	Mayank Gupta	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
28	Divyam Vijay	Electronics & Comm. Engg.	MEngage	24.9.2018	2.00 Lacs



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29	Aman Saxena	Electronics & Comm. Engg.	MEngage	24.9.2018	2.00 Lacs
30	Naveen agarwal	Computer Engineering	MEngage	24.9.2018	2.00 Lacs
31	Sumiran Sharma	Computer Engineering	ATMEC, Hyderabad	24.9.2018	3.00 Lacs
32	Meenal Agarwal	Computer Engineering	ATMEC, Hyderabad	24.9.2018	3.00 Lacs
33	Mayank Gupta	Computer Engineering	ATMEC, Hyderabad	24.9.2018	3.00 Lacs
34	Akshay Gupta	Computer Engineering	ATMEC, Hyderabad	24.9.2018	3.00 Lacs
35	Rahul Modasia	Computer Engineering	ATMEC, Hyderabad	24.9.2018	3.00 Lacs
36	Akshay Sharma	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
37	Harshit Gupta	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
38	Pragya Sharma	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
39	Rahul Kumar Modasia	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
40	Rohit Balia	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
41	Sanjay Arora	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
42	Shivam Kasat	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs
43	Sumiran Sharma	Computer Engineering	Sopra Steria	5.10.2018	4.00 Lacs



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44	Supritim chakravarty	Computer Engineering	Sopra Steria	5.10.201 8	4.00 Lacs
45	Umang Agarwal	Computer Engineering	Sopra Steria	5.10.201 8	4.00 Lacs
46	Akansha Maheshwari	Computer Engineering	Sopra Steria	5.10.201 8	4.00 Lacs
47	Manan Garg	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
48	Sundram Sharma	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
49	Mayank Gupta	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
50	Prateek Jindal	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
51	Pratyut	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
52	Nitin Todi	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
53	Vikrant Yadav	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
54	Ankjali Mittal	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
55	Pragya Sharma	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
56	Meenal Sharma	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
57	Rahul Kumar	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
58	Akshay Sharma	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs



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59	Neeraj Kumar	Electronics & Comm. Engg.	TCS, New Delhi	10.10.20 18	3.33 Lacs
60	Kirti Prasad Arya	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
61	Harshit Gupta	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
62	Rohit Gandhi	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
63	Vishwas Vedi	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
64	Himani Sharma	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
65	Rohit Balia	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
66	Ankit	Information Technology	TCS, New Delhi	10.10.20 18	3.33 Lacs
67	Subhajit Ghosh	Computer Engineering	TCS, New Delhi	10.10.20 18	3.33 Lacs
68	Babita Gurjar	Electronics & Comm. Engg.	InTimeTech. Jaipur	19.10.20 18	3.50 Lacs
69	Mohit Gupta	Computer Engineering	InTimeTech. Jaipur	19.10.20 18	3.50 Lacs
70	Abhisht Srivastava	Computer Engineering	MothersonSumi	24.10.20 18	3.25 Lacs
71	Piyush Bhatia	Information Technology	MothersonSumi	24.10.20 18	3.25 Lacs
72	Amritanshi Sharma	Computer Engineering	MothersonSumi	24.10.20 18	3.25 Lacs
73	Harsh Bansal	Computer Engineering	MothersonSumi	24.10.20 18	3.25 Lacs



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74	Nishchal Muradia	Computer Engineering	MothersonSumi	24.10.20 18	3.25 Lacs
75	Kavita Khatri	Computer Engineering	MothersonSumi	24.10.20 18	3.25 Lacs
76	Muzammil Moosani	Information Technology	MothersonSumi	24.10.20 18	3.25 Lacs
77	Yogita	Mechanical Engineering	NBC, Jaipur	17.12.20 18	3.60 Lacs
78	Shivam Misra	Mechanical Engineering	NBC, Jaipur	17.12.20 18	3.60 Lacs
79	Prateek Verma	Mechanical Engineering	NBC, Jaipur	17.12.20 18	3.60 Lacs
80	Kamal Aswani	Mechanical Engineering	Adani Power	20.12.20 18	4.00 Lacs
81	Kajal Rawat	M.C.A.	Genx Software	21.12.20 18	1.20 Lacs
82	Shikha Arora	M.C.A.	Genx Software	21.12.20 18	1.20 Lacs
83	Divyanshi Mittal	Information Technology (2017)	Tech Mahindra	28.12.20 18	3.50 Lacs
84	Nisha Khatri	Computer Engineering	Appcino	11.1.201 9	2.40 Lacs
85	Shilpa Soni	Electronics & Comm. Engg.	Padmapat, Ajmer	16.1.201 9	2.66 Lacs
86	Jasbeer Kaur	Electronic Inst. & Control	Padmapat, Ajmer	16.1.201 9	2.66 Lacs
87	Nisha Khatri	Computer Engineering	Skill Rock	22.1.201 9	4.00 Lacs
88	Amit Tak	Information Technology (2018)	InTimeTech. Jaipur	22.1.201 9	3.50 Lacs



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89	Sachin Vyas	Information Technology	Wipro	30.1.2019	3.50 Lacs
90	Arpit Jain	Electronics & Comm. Engg.	Wipro	31.1.2019	3.50 Lacs
91	Mahendra Bishnoi	Electronics & Comm. Engg.	Wipro	31.1.2019	3.50 Lacs
92	Muskan Soni	Electrical Engineering	Torrent Power	6.2.2019	3.75 Lacs
93	Bhavesh Manghnani	Electrical Engineering	Torrent Power	6.2.2019	3.75 Lacs
94	Sanjay Rathore	Mechanical Engineering	Torrent Power	6.2.2019	3.75 Lacs
95	Aayushi Meena	Information Technology	Teckritya	23.2.2019	2.40 Lacs
96	Deepak Tailore	Computer Engineering	Vserve Buss. Sol.	8.2.2019	3.50 Lacs
97	Roma Modwani	Electronics & Comm. Engg.	Collebera	26.2.2019	2.20 Lacs
98	Somya Agarwal	Electronic Inst. & Control	Collebera	26.2.2019	2.20 Lacs
99	Rajesh Jangid	Mechanical Engineering	J.S.W. Mumbai	26.2.2019	5.00 Lacs
100	Manoj Panwar	Mechanical Engineering	J.S.W. Mumbai	26.2.2019	5.00 Lacs
101	Ankit Khandelwal	Mechanical Engineering	J.S.W. Mumbai	26.2.2019	5.00 Lacs
102	Prince Khatumara	Mechanical Engineering	J.S.W. Mumbai	26.2.2019	5.00 Lacs
103	Akshat Gupta	Electrical Engineering	J.S.W. Mumbai	26.2.2019	5.00 Lacs



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104	Mohit Goyal	Computer Engineering	Cyntexa, Jaipur	28.2.2019	2.20 Lacs
105	Manish Kumar	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
106	Shubham Misra	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
107	Piyush Khandelwal	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
108	Haider Ali	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
109	Vishal Kumar	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
110	Anurag Sharma	Mechanical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
111	Hemraj Saini	Electrical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
112	Anshul Yadav	Electrical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
113	Ramesh Kumawat	Electrical Engineering	Uttam Galva	6.3.2019	3.50 Lacs
114	Manoj Kumar Saini	Electronic Inst. & Control	Uttam Galva	6.3.2019	3.50 Lacs
115	Sachin Gidwani	Electronics & Comm. Engg.	Metacube	28.3.2019	3.60 Lacs
116	Surender Sengwa	Computer Engineering	Metacube	28.3.2019	3.60 Lacs
117	Mahendra Bishnoi	Electronics & Comm. Engg.	Metacube	28.3.2019	3.60 Lacs
118	Divya Sethi	Electronics & Comm. Engg.	Infosys	30.3.2019	4.00 Lacs



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119	Tapan Khandelwal	Electronics & Comm. Engg.	Infosys	30.3.2019	4.00 Lacs
120	Meghna Kumawat	Electronics & Comm. Engg.	Infosys	30.3.2019	4.00 Lacs
121	Vishwas Vedi	Computer Engineering	Infosys	30.3.2019	4.00 Lacs
122	Mohit Gupta	Computer Engineering	Signzy Tech.	16.3.2019	9.00 Lacs
123	Sanatan Sharma	Civil Engineering	KEC Int.	6.4.2019	3.35 Lacs
124	Ravindra Sharma	Mechanical Engineering	KEC Int.	6.4.2019	3.35 Lacs
125	Vinay Goyal	Mechanical Engineering	KEC Int.	6.4.2019	3.35 Lacs
126	Jitendra Singh Dhaked	Electrical Engineering	KEC Int.	6.4.2019	3.35 Lacs
127	Bhavesh Manghnani	Electrical Engineering	KEC Int.	6.4.2019	3.35 Lacs
128	Sourabh Jain	Electrical Engineering	KEC Int.	6.4.2019	3.35 Lacs
129	Anjana Batra	Civil Engineering	KEC Int.	6.4.2019	3.35 Lacs
130	Harshit Shukla	M.B.A.	ICICI Pru	10.4.2019	2.40 Lacs
131	Shubham Gupta	M.B.A.	ICICI Pru	10.4.2019	2.40 Lacs



# Engineering College Ajmer

## 21. Sponsored R&D Projects in-hand

S.No.	Faculty Name	Amount (Rs.)
1	Mr. ANUP SHARMA	1232000
2	Mr. RAMESH MEENA	411000
3	Mr. JAGBIR SINGH	1027000
4	Dr. JAI KISHAN	1138000
5	Mr. SATISH RAY	1013000
6	Mr. ATUL SHARMA	812000
7	Dr. NANDKISHOR GUPTA	818000
8	Mr. RAJ YADAV	1372000
9	Mr. GAURAV SHARMA	2135000
10	Mr. DIWAKAR GAUTAM	1165000
11	Dr. K.G. Sharma	240000
12	Mr. Vinesh Kumar Jain	240000

## Mechanical Engineering

Sr. no	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs ofRs.)	Completed /Ongoing
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# Engineering College Ajmer

1	Development of Vacuumized Abrasive Finishing Setup for finishing complicated surfaces using novel ab	PI: Dr. Jaikishan	AICTE CRS	R&D	11.38/ -	Ongoing
2	Performance enhancement of flatplatesolarcollector or using artificial roughness intergratedsolerdryer	PI: Mr. Jagbir Singh	AICTE CRS	R&D	10.27/ -	ongoing

## Electronics & Instrumentation Control Engineering

S. N O.	Name of the Project	Principal Investigator/ Coordinator	Sponsorin g Agency	Type of funding agency (R&D/ academic/ Industry/PSU/ Govt./Specify	Outla y (in Lacs of Rs.)	Completed /Ongoing
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# Engineering College Ajmer

1.	An efficient solar PV based hybrid multioutput converter for standalone application	Mr. Rajkumar Yadav Dr. C.P.Jain, Dr. Adil Sarwar Dr. Mohammad Asim Dr. Dipti Saxena	NPIU ,CRS	MHRD	13.72 Lakhs	Ongoing
2.	Detection of heavy metals in water by Nano-sensor Electrodes	Dr. Anup Kumar Sharma Dr. H.S. Mewara, Dr. Ritu Sharma Dr. K.K. Sharma Mr. Atul Kumar Sharma	NPIU, CRS	MHRD	12.32 Lakhs	Ongoing
3.	Adaptive Bio-Impedance Based Monitoring system for medical and industrial applications	Mr. Ramesh Kumar Meena Dr. H.S. Mewara, Dr. S.K. Pahuja Dr. Aditya Kumar Dr. Shashank Tripathi	NPIU CRS	MHRD	4.11 Lakhs	Ongoing



# Engineering College Ajmer

4	Band gap optimization of CNT thin film for Nano optical antenna and other optoelectronic devices.	Mr. Atul Kumar Sharma Dr. H.S. Mewara, Dr. Ritu Sharma Dr. Anup Kumar Sharma, Dr. K.K. Sharma	NPIU CRS	MHRD	8.1 2 Lakhs	Ongoing
5.	LIVELIHOOD BUSINESS INCUBATOR (LBI)	Dr. J K Deegwal Dr. H S Mewara Dr. C P Jain Sh. Ajay Dadhich Sh. Ajay Agarwal, Sh. Mukesh Gupta,	ASPIRE	ASPIRE	79 lakhs	Ongoing

## Electrical Engineering

### Continuing Sponsored Research Projects:

Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/academic/Industry/PSU/Govt./Specify if any)	Outlay (in Lacs of Rs.)	Completed /Ongoing



# Engineering College Ajmer

			other )		
Optimal Scheduling of Micro grid with high Renewable Penetration	Dr. NANDKISH GUPTA Mr. KRISHAN SHARMA Dr. R. A GUPTA Mr. KAILAS CHAND SHARMA Mr. ADARS MANGAL	NPIU,CRS	MHRD	8.18 Lakhs	Ongoing
Power Quality Assessment for Mrcro Grid with High Renewable Energy Penetration	Dr. K. G. Shрма Dr. N. K. Gupta Dr. D. K. Palwalia	NPIU,CRS	MHRD	2.4 Lakhs	Ongoing

## Electronics & Communication Engineering

Sr. no	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Type of funding agency (R&D/ academic/ Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs ofRs.)	Completed /Ongoing
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# Engineering College Ajmer

1	Empower rural medical services using a computer aided cancer diagnostic deep learning model for oral cancer.	PI: Mr. Diwakar Gautam	AICTE CRS	R&D	11.65/-	Ongoing
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## Computer Science & Information Technology:

S. No.	Name of the Project	Principal Investigator and Co-PI	Sponsoring Agency	Type of funding agency (R&D/academic/Industry/PSU/Govt./Specify if any other.)	Outlay (in Lacs of Rs.)	Completed /Ongoing
1	Pattern Analysis & Knowledge Discovery in e-Learning platform using Data Mining & Big Data Framework	PI: Mr. Satish Kumar Ray; CO-PI: Dr. Rakesh Rathi	AICTE	Govt. ( NPIU-MHRD: TEQIP Collaborative Research Scheme)	101300.00	Ongoing



# Engineering College Ajmer

## 22. Candidate Completed / Pursuing PhD

### Mechanical Engineering

Sr. no	Faculty Name	Institute Name	Status
1.	Mr. Kamal Singh	MNIT Jaipur	Ongoing
2.	Mr. Tarun Kumar Aseri	IIT Delhi	Ongoing
3.	Dr. Alok Khatri	NIT Kurukshetra	Completed
4.	Mr. Vinod Kumar Verma	Rajasthan Technical University, Kota	Ongoing

### Electronics & Instrumentation Control Engineering

s. No.	Name of student	Programme	Institute	Status
1	H. S. Mewara	PhD	Rajasthan Technical University, Kota	awarded
2	Dipak Kumar Mishra	PhD	NIT Durgapur	awarded
3.	Ramesh Kumar	PhD	NIT Jalandhar	Submitted
4.	Raj Kumar Yadav	PhD	MNIT Jaipur	Pursuing
5.	Atul Kumar Sharma	PhD	MNIT Jaipur	Pursuing
6.	Nivedita shety	PhD	MNIT Jaipur	Pursuing

### Electrical Engineering

S. No.	Name of student	Programme	Institute	Status
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# Engineering College Ajmer

1	Mr. K. Anil Kumar	PhD	MNIT Jaipur	Pursuing
2	Mr. Gyanendra Prakash	PhD	MNIT Jaipur	Pursuing
3.	Mr. Arjun Pareek	PhD	MNIT Jaipur	Pursuing
4.	Mr. Arun Dev Pandey	PhD	MNIT Jaipur	Pursuing
5.	Ms. Shivani Dwivedi	PhD	MNIT Jaipur	Pursuing

## Electronics & Communication Engineering

Sr. no	Faculty Name	Institute Name	Status
1.	Manoj Kumar Falaswal	MNIT Jaipur	Ongoing
2.	Diwakar Gautam	MNIT Jaipur	Ongoing
3.	Lalit Kumar Dusad	MNIT Jaipur	Ongoing
4.	Ravi Goyal	RTU Kota	Ongoing
5.	Anurag Garg	Bhagwant University Ajmer	Ongoing

## Civil Engineering

s. No.	Name of student	Programme	Institute	Status
1	Dr. Ganpat Singh	PhD	NIT Kurukshetra	Awarded
2	Mr. Mahesh Manwani	PhD	RTU, Kota	Pursuing
3.	Dr. Sankalp	PhD	NIT Surat	Awarded



# Engineering College Ajmer

4.	Mr. Dhruv Saxena	PhD	MNIT Jaipur	Pursuing
5.	Mr. Pravesh Saini	PhD	MNIT Jaipur	Pursuing
6.	Mr. Naveen Choudhary	PhD	MNIT Jaipur	Pursuing
7.	Mr. Shivam Chauhan	PhD	MNIT Jaipur	Pursuing

## Computer Science & Information Technology:

S.No.	Name of Student	Supervisor	Topic	Status
1	Deepak Gupta	Dr. Rakesh Rathi	Designing an Efficient Congestion Control Algorithm in VANET	In Progress
2	Shyam Sunder Agarwal	Dr. Rakesh Rathi	Optimization of Topology Update Interval in MANET	In Progress
3	Taruna Khemwani	Dr. Rakesh Rathi	Optimal VM Migration Strategy in Cloud Environment	In Progress
4	Amit Garg	Dr. Rakesh Rathi	A Novel Framework for Cloud Computing using Machine Learning	In Progress
5	Shikha Gupta	Dr. Neetu Sharma	An Approach to detect Black Hole Attack in Vehicular Ad-hoc Network	In Progress



## 23. R&D Achievements

### Mechanical Engineering

S.No.	Faculty Name	Research Papers
1.	Dr. Alok Khatri	<ul style="list-style-type: none"><li>An empirical investigation of agility factors in select Indian manufacturing industries', Int. J. Business Information Systems, Vol. 28, No. 1, 42-66</li><li>Modelling of Prime Agile Enablers: People, Virtual Integration and Information Technology', Procedia Manufacturing, 20, pp. 464-469</li></ul>
3.	Dr. Chandan Sharma	<ul style="list-style-type: none"><li>Cost reduction potential of parabolic trough based concentrating solar power plants in India". Energy for Sustainable Development 42, 121–128</li><li>Financial viability of solar industrial process heating and cost of carbon mitigation: A case of dairy industry in India". Sustainable Energy Technologies and Assessments, 27, 1-8.</li><li>Incentives for promotion of SIPH in India: a case of cotton based textile industry". Clean Technology and Environment Policy, 20, 813-823.</li></ul>
4.	Mr. Tarun Kumar Aseri	<ul style="list-style-type: none"><li>Assessment of water availability for wet cooling at potential locations for solar thermal power generation in India, Int. J. of Ambient Energy. 2018:1–16. doi:10.1080/01430750.2018.1507926</li></ul>
5.	Dr. Doraj Kamal Jamuwa	<ul style="list-style-type: none"><li>Kamal Kumar Agrawal, Rohit Misra, Tejpal Yadav, Ghanshyam Das Agrawal, Doraj Kamal Jamuwa. Experimental study to investigate the effect of water impregnation on thermal performance of earth air tunnel heat exchanger for summer cooling in hot and arid climate. Renewable Energy 120 (2018) 255-265</li></ul>



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		<ul style="list-style-type: none"> <li>• Rohit Misra, Sanjeev Jakhar, Kamal Kumar Agrawal, Shailendra Sharma, Doraj Kamal Jamuwa, Manoj S. Soni, Ghanshyam Das Agrawal. Field investigations to determine the thermal performance of earth air tunnel heat exchanger with dry and wet soil: Energy and Exergetic Analysis. Energy and buildings 171 (2018) 107–115.</li> <li>• Kamal Kumar Agrawal, Rohit Misra, Ghanshyam Das Agrawal, Mayank Bhardwaj, Doraj Kamal Jamuwa. A Review on Effect of Geometrical, Flow and Soil Properties on the Performance of Earth Air Tunnel Heat Exchanger. Energy &amp; Buildings 176 (2018) 120–138.</li> <li>• Kamal Kumar Agrawal, Rohit Misra, Ghanshyam Das Agrawal, Mayank Bhardwaj &amp; Doraj Kamal Jamuwa. Effect of different design aspects of pipe for earth air tunnel heat exchanger system: A state of art. International Journal of Green Energy. Vol. 16, No. 8, 598-614. <a href="https://www.tandfonline.com/doi/full/10.1080/15435075.2019.1601096">https://www.tandfonline.com/doi/full/10.1080/15435075.2019.1601096</a></li> <li>• Sheetal Kumar Jain, Rohit Misra, Prateek Verma, Sanjay Rathore, Doraj Kamal Jamuwa, Ghanshyam Das Agrawal. Performance Investigation of Triangular Solar Air Heater Duct having Broken Inclined Roughness using Computational Fluid Dynamics. Journal of Solar Energy Engineering: Including Wind Energy and Building Energy Conservation. ASME. December 2019, Vol. 141. doi:10.1115/1.4043751.</li> <li>• Kamal Kumar Agrawal, Rohit Misra, Ghanshyam Das Agrawal, Mayank Bhardwaj, Doraj Kamal Jamuwa. The State of Art on the Applications, Technology Integration, and Latest Research Trends of Earth-Air-Heat Exchanger System. Geothermics 82 (2019) 34–50. Impact Factor: 2.942</li> <li>• Tarun Kumar Aseri, Chandan Sharma, Ashish Kumar Sharma, Rohit Misra, D.K. Jamuwa. Evaluation of optical efficiency of an all-glass ETC using ray tracing technique. Int. J. Renewable Energy Technology, Vol. 9, Nos. 1/2, 2018</li> <li>•</li> </ul>
6.	Dr. JaiKishan	<ul style="list-style-type: none"> <li>• Abrasive flow finishing of FDM printed parts using a sustainable media” Rapid Prototype Journal,2018, 24/3, pp. 593-606. (SCIE), ISSN 1355-2546.</li> <li>• Characterization of Low Cost Alternative Polymer Abrasive Material for Finishing Applications”, ICEFN 2019, vol. 1, pp. 101, KUN, Nainitaal.</li> </ul>



## Electronics & Instrumentation Control Engineering

Research and Development at GEC Ajmer is one of the focal point to achieve its vision of developing cutting edge technology to meet the current and future challenges of technological development. The rich experience and talents of the faculty, combined with their passion and dedication for research, development and consultancy in their respective areas has created excellent results. The focus on research is not limited to the faculty members in their laboratories of the Institute but is pervasive beyond it in classrooms and fields as reflected in its relevance and original academic programmes of the Institute.

### THRUST AREAS

The major thrust areas of Research, Development and Consultancy at EICE Department, GEC Ajmer includes:

- Nano-Technology and Material Science
  - Energy Conservation
  - Biomedical Instrumentation
  - Image Processing
  - High voltage signal processing
  - Microwave and Antenna
  - Wireless Communication
- 
- H. S. Mewara, D. Jhanwar, M. M. Sharma, and J. K. Deegwal, “A printed monopole ellipzoidal UWB antenna with four band rejection characteristics,” Int. J. Electron. Commun. (AEU), vol. 83, pp. 222-232, 2018. DOI: 10.1016/j.aeue.2017.08.043.
  - H. S. Mewara, J. K. Deegwal, and M. M. Sharma, “A slot resonators based quintuple band-notched Y-shaped planar monopole ultra-wideband antenna,” Int. J. Electron. Commun. (AEU), vol. 83, pp. 470-478, 2018. DOI:10.1016/j.aeue.2017.10.03.



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- Dipak Kumar Mishra, Anitha Bhukya, Chiranjib Koley, Nirmal Kumar Roy, " Radiometric localization of partial discharge sources inside Air-insulated electrical substation", IET Science, Measurement and Technology, In Press, 2019
- Ajay Dadhich and J.K. Deegwal, "Multiband micro strip patch antenna with rectangular slots on patch for Bluetooth and c-band applications," International Journal of Engineering & Technology, vol. 7, no. 1.2, pp. 191-193, 2018, DOI: 10.14419/ijet.v7i1.2.9064
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- Kumar, R., Kumar, S., & Gupta, A. (2018). Analysis and Validation of medical Application through Electrical Impedance based System. International Journal of Intelligent Systems and Applications in Engineering, 6(1), 14-18.
- Kumar R, Kumar S, Sengupta A. An Experimental Analysis and Validation of Electrical Impedance Tomography Technique for Medical or Industrial Application. Biomedical Engineering: Applications, Basis and Communications. 2019 Mar 13:1950010
- Atul Kumar Sharma, Raghuvendra Pratap Tripathi, Dinesh Bhatia, Sudip Paul, Nitin Sahai1, T. K. Sinha.The Evolution and Advancement of Pacemaker Technology.International Journal of Computational Engineering Research (IJCER), 21-07-2018, vol. 8, no. 7, 2018, pp. 34-53.

## Conference Publications

- Ajay Dadhich, J.K. Deegwal, and M.M. Sharma, "Multiband slotted micro strip patch antenna for TD-LTE, ITU and X-band applications," 2018 5th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, pp. 745-748, 2018, doi: 10.1109/SPIN.2018.8474185



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- Kumar R, Pahuja SK, Sengupta A. Object Identify Using Electrical Impedance Tomography Technique For Industrial Application, International Conference On Secure Cyber Computing And Communications, IEEE, December, 2018

## ELECTRICAL ENGINEERING

Research and Development at GEC Ajmer is one of the focal point to achieve its vision of developing cutting edge technology to meet the current and future challenges of technological development. The rich experience and talents of the faculty, combined with their passion and dedication for research, development and consultancy in their respective areas has created excellent results. The focus on research is not limited to the faculty members in their laboratories of the Institute but is pervasive beyond it in classrooms and fields as reflected in its relevance and rigor in all academic programmes of the Institute.

## THRUST AREAS

The major thrust areas of Research, Development and Consultancy at EE Department, GEC Ajmer includes:

- Distributed Generation Systems
- AI Applications To Power System
- Renewable Integration in Power System
- Smart Grids
- Electric Vehicle (EV) Integration to Grid.
- Modeling and control of PV system
- Wireless Communication



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## Journal Publications -

- Purvi Jain, K G Sahrma and N K Gupta “Grid Connected Solar PV System Modelling” in International Journal of Pure and Applied Research in Engineering and Technology 2018. (UGC approved Journal)
- Harshita Badmera, K G Sahrma and N K Gupta “Power Quality Issues in Solar PV Modelling” in International Journal of Pure and Applied Research in Engineering and Technology 2018. (UGC approved Journal)
- R. A. Gupta and Nandkishor Gupta “A Robust Optimization Based Approach for Microgrid Operation in Deregulated Environment” in Energy Conversion and Management, Elsevier vol.93, pp 121-131,2015. (SCI Journal)

## Conference Publications

- A. D. Pandey et.al, “ Optimal economic analysis and performance assessment of wind biomass hybrid energy system.” IEEE International Conference (London, United Kingdom, ) 10.1109/ICACTM.2019.8776854 April 2019,pp. 471-478.
- R. A. Gupta and Nandkishor Gupta “ Generation Scheduling at PCC in Grid Connected Microgrid” IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), pp. 1-5, 2014.
- R. A. Gupta and Nandkishor Gupta “Robust Microgrid Operation Considering Renewable Power Uncertainties” in IEEE National Power System Conference (NPSC-2014), IIT Guwahati, India pp. 1-5, 2014.
- R. A. Gupta, N.K. Gupta, B. B. Jain, “Interconnection of Microgrid with Electric Power System”, International Conference on “Advance Research & Innovation in Engineering & Technology (ICARIET’15), pp. 306-310, 2015.
- Nandkishor Gupta, Mahendra Pratap Singh & Manish Gupta, “Green Energy : The Energy of Universe” proceeding of International Congress on Renewable Energy (ICORE 2010), December 1-2, 2010, Chandigarh 2010



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- Prof. R.A.Gupta, P. K.Bhatt & Nandkishor Gupta, “Detection And Classification Of Power Quality Disturbances” Proceeding of National Conference on Recent Advancements in Power System (RAPS-2012), pp. 31-35, 2012.
- Prof. R.A.Gupta, P. K.Bhatt & Nandkishor Gupta, “Switch Mode Power Supply With High Efficiency & High Input Power Factor” National Seminar on Power Electronics Applications in Power System (PEAPS-2011), November 19-20,2011 at Swami Keshwanand Institute of Technology, Management & Gramothan, Jaipur
- Nandkishor Gupta, Sunil Agarawal & Jitendra Singh, “An Overview: Renewable Energy Sources” proceeding of National Conference on Renewable Energy in Power System (REPS-2011), at Shrinathji Institute Of Technology, Nathdwara
- Nandkishor Gupta, Sunil Agarawal & Ravi Hada, “Superconductor Power Applications” proceeding of National Conference on Recent trends in power system RTPS-2011 at SKIT Jaipur
- Nandkishor Gupta, Sunil Agarawal & Rajendra Singh, “Optimal Capacitor Placement in Radial Distribution System” proceeding of 4th National Conference on Recent trends in power system RTPS-2011 at Arya College of Engineering and Technology, Jaipur
- Nandkishor Gupta, Mahendra Pratap Singh & Manish Gupta, “Future Aspects of Green Energy” proceeding of Chandigarh Science Congress CHSCON-2011 at Punjab University, Chandigarh.
- Nandkishor Gupta, Mahendra Pratap Singh & Prashant Kumar, “Deployment of Green Energy Sources” proceeding of MNRE Sponsored National Conference on Renewable Energy in Power System (REPS-2010), September 17-19, 2010 at Rajasthan College of Engineering for Women, Jaipur.
- A paper on “Control Strategy for Fuel Saving in Asynchronous Generator Driven Electric Tugboats” in 3rd IEEE UP Section international conference on Electrical, computer and electronics engineering dated 9-11 December 2016.
- A paper on “Optimization with load prediction in asynchronous generator driven tugboat propulsion system” in IEEE international transportation electrification conference India, Pune 2017 session dated 13-15 December 2017
- Amit Kumar, Ashwani Kumar and S.chanana,”Genetic Fuzzy PID Controller Based on Adaptive Gain Scheduling for Load Frequency Control”,IEEE International conference PEDES-2010,IIT Delhi, Dec. 20-23, 2010.



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- Amit kumar, S.chanana and Ashwani kumar, "Age using Conventional, Fuzzy and Genetic Fuzzy Controller", International conference ICAECT-2010. Manipal Institute of technology. Jan07-10, 2010.

## ECE

### THRUST AREAS

The major thrust areas of Research, Development and Consultancy at GEC Ajmer includes:

- Nano-Technology and Material Science
- Photonic sensors
- Composite material
- Optical Fiber Communication
- Optical Computing
- Photonics and Nano materials
- Digital Signal Processing
- Random Variables and Stochastic Process
- Electronics System Design
- Nano-Optics & Opto-Electronics
- Antenna Designing
- Machine Learning
- Image Processing
- Feature Engineering and Deep Learning
- Planar Antenna and SIW based Antenna and Circuits

Sr. no	Faculty Name	Research Papers
1.	Dr. Rekha Mehra	<ul style="list-style-type: none"><li>• Optical Channel Drop Filter Using Quasi Square Photonic Crystal Ring Resonator, IEEE International conference on Optical and Wireless technologies (OWT 2018) organized by MNIT Jaipur</li><li>• Dual-band Planar Slot antenna loaded with Split Ring Resonators for WLAN/Wi-Max Applications, IEEE International conference on smart city and</li></ul>



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		<p>emerging technologies (ICSCET) organized by Universal College Mumbai</p> <ul style="list-style-type: none"> <li>• comparison of duo binary, 107ancestor and alternate mark inversion data formats for FSO systems, IEEE International conference on Optical and Wireless technologies (OWT 2018) organized by MNIT Jaipur</li> </ul>
2.	Mr. Mukesh Gupta	<ul style="list-style-type: none"> <li>• Research paper entitled “An efficient hybrid method for face recognition using neural network” published in International Conference on Intelligent sustainable systems (ICISS 2019), held during 21–22 February 2019 at Palladam, Coimbatore Tamil Nadu, organized by SCAD Institute of Technology. IEEE Xplore ISBN: 978-1-5386-7799-5.</li> </ul>
3.	Dr. Deepak Jhanwar	<ul style="list-style-type: none"> <li>• A Comparative Study of Various Forecasting Methods for Solar Photovoltaic System Power Output, Conference Proceeding of 2<sup>nd</sup> International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana State, India on 23<sup>rd</sup> September 2018, ISBN: 978-93-87433-40-3.(as co-author)</li> </ul>
4.	Mr. Harish Kumar Sharma	<ul style="list-style-type: none"> <li>• “IoT Based Home Security System with Wireless Sensors and Telegram Messenger” International Conference on Sustainable Computing in Science,</li> </ul>



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		Technology & Management (SUSCOM-2019), Advances in SSRN Electronic Journal. DOI 10.2139/ssrn.3352452 page 583-588.
5.	Mr. Ravi Goyal	<ul style="list-style-type: none"><li>• A Compact Microstrip Patch Antenna at 28 GHz for 5G wireless,” IEEE , ISBN: 978-1-5386-4525-3, DOI: 10.1109/ICRAIE.2018.8710417 ,may 2019.</li></ul>
6.	Mr. Manoj Kumar Falaswal	<ul style="list-style-type: none"><li>• Nanorod Dimer based Optical Fiber Plasmonic Sensor</li></ul>

## Computer Science & Information Technology

Mr. S.N. Tazi, Assistant Professor received NVIDIA GPU grant request of 1 Titan Xpfor his research purpose.

### Journal Paper:

Dr. Rakesh Rathi, Enhancing Performance of Vehicular Adhoc Network by reducing Delay with MC-ERDV Algorithm, IJCSE International Journal of Computer Sciences and Engineering Open Access Research Paper Vol.-7, Issue-5, May 2019.

Dr. Rakesh Rathi, Detecting and Blocking Phishing URL using Excessive Machine Learning and the Concept of Artificial Intelligence, International Journal Of Research In Engineering Science And Management Published In Volume 2 Issue 5, 5 May 2019.

Mr. Deepak Gupta and Ms. Shikha Gupta, An Efficient Approach De-Interlacing Using Spatial Frequency Domain International Journal of Research in Engineering, Science and Management (IJRESM), Volume-1, Issue-10, October-2018.

Mr. Deepak Gupta, Video Generation 480 Progressive to 1080 Interlace Video, International Journal of Innovative Trends In Engineering (IJITE), Number 01, August 2018, Page no: 53-58.

Ms. Shikha Gupta, A Review Paper on Video De-Interlacing Multiple Techniques, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC) , Volume: 6 Issue: 2, February 2018, Page no: 84 – 86.



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Ms. Jyoti Gajrani, Effectiveness of State-of-the-art Dynamic Analysis Techniques in Identifying Diverse Android Malware and Future Enhancements", Accepted in Advances in Computers, ScienceDirect., (In Press for volume 119), ISSN: 0065-2458 ,Indexing: SCI

Ms. Jyoti Gajrani, Deep Learning with PyTorch in Machine Learning and Deep Learning in Real-Time Applications, IGI Global, (Accepted for publication in 2020), Indexing: Scopus & Web of Science.

Mr. Satyanarayan Tazi ,Enhance the Network Reliability and Analyze the Performance of EERA in NS2.35, International Journal of Information Systems & Management Science, Vol. 2, No. 1, 2019, December 22-23, 2018

Ms. Anita Choudhary, Energy-efficient fuzzy-based approach for dynamic virtual machine consolidation, International Journal Grid and Utility Computing, vol. 10, 2019.

Mr. Vishnu Prakash Sharma, Article published in Cyber security and and vagyanik drastikon Published by Vagyanik Drishtikon Society (VDS).

Mr. Rakesh Verma, Modern Learning Method: Concept Modeling of Hindi Grammar, International Journal of Innovative Knowledge Concept, Vol. VI, Issue 12, December 2018, Page No. 101-105.

## Conference Paper:

Dr. Rakesh Rathi, An Efficient Approach of Filtering for Noises on Images Publisher: IEEE Digital Library.

Mr. Deepak Gupta and Ms. Shikha Gupta, An Efficient Approach of Filtering for Noises on Images Publisher: IEEE Digital Library.

Mr. Satyanarayan Tazi, A Novel Approach for Hand Gesture Recognition using Kirsch edge with Bit Plane, International Conference on Intelligent Computing and Control Systems ,at Vaigai College of Engineering, Madurai, Tamil Nadu, 15-17 May 2019.

Mr. Satyanarayan Tazi, Article published on Ethical Hacking and Hackathon,Cyber Security and Scientific Vision, MHRD New Delhi

Ms. Anita Choudhary, Task clustering-based Energy-aware Workflow Scheduling in Cloud environment, in IEEE 20th International Conference on High Performance Computing and Communications (HPCC), 2018, Page No. 968-973.

Mr. Rakesh Verma, Scope of Managing Knowledge in Digital Forensics, International Conference on Sustainable Computing in Science, Technology & Management, February, 2019



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## 24. Conferences held

No Conferences has been held in current academic year.



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## 25. Consultancy Projects in-hand

### Civil Engineering

Sr. No.	Client Organization	Title of Consultancy Project	Financial Year	Name of Faculty (Chief Consultant)	Amount Received (in Rupees)	Status
1.	M/s Prateek Agarwal & Associates Structural Consultants B- 12, Behind badhir vidhyalaya, Vaishali Nagar, Ajmer Govt. Medical & Health Department, Rajasthan	Proof Checking of Structural Design	2018-19	Mr. Ganpat Singh, Head (PI) Mr. M. Manwani Mr. Pravesh Saini	14160.00	Completed
2.	M/s Ashok Kumar Mahnot 17-18, Jeevandeep Colony, Khoda Ganeshji Road Madanganj- Kishangarh Distt. Ajmer Raj. Govt. Medical & Health Department, Rajasthan	Proof Checking of Structural Design	2018-19	Mr. Ganpat Singh, Head (PI) Mr. M. Manwani Mr. D. S. Dhaka	35400.00	Completed
3.	Sunar Contractor Mirdha Nagar, Didwana Road, Kuchaman City, Nagaur, Raj. Govt. Medical & Health Department, Rajasthan	Proof Checking of Structural Design	2018-19	Mr. Ganpat Singh, Head (PI) Mr. M. Manwani Mr. D. S. Dhaka	28320.00	Completed
4.	M/s Ashok Kumar Mahnot 17-18, Jeevandeep Colony, Khoda Ganeshji Road Madanganj- Kishangarh Distt. Ajmer Raj. Govt. Medical & Health Department, Rajasthan	Proof Checking of Structural Design	2018-19	Mr. Ganpat Singh, Head (PI) Mr. M. Manwani Mr. D. S. Dhaka	14160.00	Completed
5.	M/s Shri Durga Construction 68/42, Heera Path, Mansarovar, Jaipur	Proof Checking of Structural Design	2018-19	Dr. Ganpat Singh, Head (PI) Mr. Sankalp	14160.00	Completed



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	Govt. Medical & Health Department, Rajasthan					
6.	M/s Sidhu Construction Co. VPO Bakhtawali, 19M.L., Teh. & Distt. Sri Ganganagar Raj. Govt. Medical & Health Department, Rajasthan	Proof Checking of Structural Design	2018-19	Dr. Ganpat Singh, Head (PI) Mr. M. Manwani Mr. D. S. Dhaka	14400.00	Completed
7.	M/s Offshore Infrastructures LTD Mumbai (Camp. Parbatsar Govt. PHED, PMC Makarana	Concrete specimen testing	2018-19	Dr. Ganpat Singh, Head (PI) Mr. Sankalp	8850.00	Completed



## 26. Start-ups and Innovations

The nation's starting to see a massive growth in start-ups with so many budding entrepreneurs who are still students. Now, quite recently, Government of India launched the Start-up India, Stand India campaign to support start-ups and to provide all basic necessities to them and also making the government norms easy, so that they could only focus on their business development exclusively. So, the Entrepreneurship Development Cell Government Engineering College, Ajmer establishes Start-up cell on the basis of Start-up India Policies on Dec 2017 in GEC Ajmer to add on to this thought, shedding light on the various policies of Start-up India under this cell, conducting the lectures, parting knowledge to the students about the various policies, the pros and cons of the same and how to go about them.

Our vision is to raise the economy of our country using full potential of the innovative minds of the country and to raise the overall quality of life in our country. Startup helps in the development of countries entrepreneurial environment by providing easy and effective interaction of the student body, experienced professionals, successful entrepreneurs, investors, venture capital firms and corporates through events like interactive sessions, competitions and conferences.

### ◆ Long Term Goals (5 Years)

- ◇ To motivate students to develop their own startups.
- ◇ Develop business incubators.
- ◇ Create corpus fund to seed ventures.

### ◆ Short Term Goals (2 Years)

- ◇ To provide a platform for interaction with entrepreneurs.
- ◇ To develop entrepreneurial education/skills amongst students through various trainings and exercise.
- ◇ Arrange events like interactive sessions, competitions and conferences with organizations promoting the cause of entrepreneurship.



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## Objective of Start-up Cell:

- To Develop a Critical Mass of Motivated Students & Faculties with Entrepreneurial Orientation & Skill
- To Build Infrastructure Support for Innovation & Early Stage Enterprise development and Enabling Access to Resource & Facilities at Institute
- To Enhance In-House Competency Development to Serve Potential and Early Stage Entrepreneurs and Student Innovators at the Institute.
- To Strengthen the Inter Department and Inter-Institutional linkage, Incubators and Other Ecosystem Enablers at Different Levels.

## About Start-up Cell and Current Status:

- An enthusiastic bunch of students working to induce an entrepreneurial mindset into the students.
- We are here to Inspire students who has the inbuilt urge to innovate.
- Networking student enterprises from campus to incubators, seeding funds and angel investors.
- Organize workshops and national level competitions.
- Expert Lectures by successful entrepreneurs to make students learn the pros and cons of start-ups.
- Assigning real time projects to the group of students and reduce the gap between industry and academics.
- Developing industry-ready employees.
- Decrease the unemployment and developing skilled students.

Result Based Micro Action Plan with Monitoring & Evaluation (M&E) System & Key Performance Indicators (KPIs).

The cell is coordinating with outside agencies which will provide support for Entrepreneurship. In association with these agencies and some other, the cell will also provide mentoring sessions for high



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focused groups on different issues like raising of funds, engagement of people support etc.

Startup cell will lead to creation of an enabling entrepreneurial environment that will attract/induce investments, create employment opportunities, and generate wealth at an incremental and sustainable rate. It is augment and creating a dependable stock of socially responsible entrepreneurs who understand the present day market and seek challenges.

It facilitates capacity building of entrepreneurs rather than enterprises alone. It is culminate into an institution that is entrepreneur-oriented and plays the role of a catalyst for promotion of entrepreneurs. After reaching a level the Startup cell may also support the government in formulating entrepreneur-friendly policies encompassing start up, survival, growth and recovery phases of enterprises, within the overall framework of Entrepreneurship Policy.

Impact on Students: Start up cell can positively impact a learner at all levels in a wide number of contexts. This may explain why there are such a wide variety of entrepreneurship education programs, all of which can provide important outcomes at various stages of a learner's life, as supporters of entrepreneurship education.

1. Will change the attitude towards entrepreneurship as a means of making a living.
2. Will develop the power of ownership: Owner-entrepreneurship education empowers young people to make well-informed decisions about their future, whether they choose to become entrepreneurs or not. We discover that, like every individual, our students already own five powerful assets: time, talent, attitude, energy and unique knowledge of one's local market. With start-up cell they will learn to use these assets to create businesses and jobs, and build wealth in their communities.
3. Closing the Wealth Gap: High levels of income disparity have led to civil unrest, riots and even revolution. Owner-entrepreneurship education can help solve the youth unemployment crisis, rescue our low-income communities by increasing home ownership and employment, and help close the wealth gap.
4. Opportunity to Develop Planning, Financial Literacy, and Money Management Skills: The ability to set goals and to manage time, money and other resources are important entrepreneurship skills which are useful in any workplace. With the activities run by the start-up cell students will develop learning about



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financial planning, including knowledge about available work incentives which is critical for budding entrepreneurs

Recent activities covered under startup cell of ECA

S.No.	Topic	Date
1	Motivational Talk "How to initiate Startup" and "Step Towards Preparing Industry Ready Engineers"	17 March 2018
2	Workshop on "Python Image Processing"	14 to 15 Sept. 2018
3	Expert Lecture on "Cyber Crime Awareness"	18 March 2019
4	Workshop on "Flying Bots Aero Models"	9 Oct. 2018



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## 27. Linkage with Industry

### Electronics & Instrumentation Control Engineering

#### Industrial Visit

Sr. No.	Name of Company where visit is held	Academic Year	Date of order	Date of visit
1	RVUNL Madar GSS	2018-2019	07/09/2018	10/09/2018
2	PARLE Company Ajmer	2018-2019	19/08/2018	20/08/2018

#### Career Advancement Guidance/Workshop

Sr. No.	Company/Institute	Name of program	Date	Lecture given by
1	Engineering Tutorials	Carrier Opportunities for B.Tech graduates	31/01/2019	Mr. Prameet Lawas
2	EI&CE Faculties	GATE guidance/training classes	11/01/2019	EI&CE Faculties
3	Engineers Academy Ajmer	PLC & SCADA one day workshop	15/10/2018	Mr. Yogesh
4	GATE master team	Carrier Opportunities	14/02/2019	GATE master team faculties



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## Electrical Engineering

### Industrial Visit

Sr. No.	Name of Company where visit is held	Academic Year	Date of visit
1	PARLE Company Ajmer	2018-2019	11/10/2018
2	DIESEL LOCO & WAGON WORKSHOP, AJMER	2018-2019	17-18 Jun 2019
3	GSS, MADAR	2018-2019	22 March 2019

### Career Advancement Guidance/Workshop

Sr. No.	Company/Institute	Name of program	Date	Lecture given by
1	Robert Mico Bosh Pvt. Ltd.	Quality Assurance in Industries		Mr. Sudhir Sharma
2	EE Faculties	GATE guidance/training classes	11/01/2019	EE Faculties

## CIVIL ENGINEERING

### Industrial Visit

Sr. No.	Name of Company where visit is held	Semester	Academic Year	Date of order	Date of visit
1	STP Site, Anasagar Lake, Ajmer	VI	2018-2019	09/01/2019	17/09/2019
2	STP Site, Anasagar Lake, Ajmer	VIII	2018-2019	09/01/2019	18/09/2019



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## 28. Collaborative Activities

### Mechanical Engineering

Sr. no	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Collaborative Agency	Outlay (in Lacs of Rs.)	Completed /Ongoing
1	Development of Vacuumized Abrasive Finishing Setup for finishing complicated surfaces using novel ab	PI: Dr. Jaikishan	AICTE CRS	GEC Ajmer & MNIT Jaipur	11.38/-	Ongoing
2	Performance enhancement of flatplate solar collector using artificial roughness intergrated solar dryer	PI: Jagbir Singh	AICTE CRS	GEC, Ajmer & VJTI Mumbai	10.27/-	Ongoing

### Electronics & Instrumentation Control Engineering

Following faculties of Electronic Instrumentation & Control Engineering Department have done internship of 45 days at VJTI Mumbai from 1/6/2019 to 15/7/2019 under the Collaborative activities:

Sl. No.	Name of the faculty	Name of the Organization	Duration
1.	Dr. C.P. Jain	IIT Bombay	1 month (10 <sup>th</sup> June to 9 <sup>th</sup> July)
2.	Mr. Atul Kumar Sharma	IIT Bombay	1 month (7 <sup>th</sup> June to 8 <sup>th</sup> July 2019)

The major funding agency is Scheme for Collaborative Research Scheme under TEQIPIII of NPIU etc.



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## Electrical Engineering

Following faculties of EE Department have done internship of 45 days at IIT Mumbai from 1/6/2019 to 15/7/2019 under the Collaborative activities:

Sl. No	Name of the faculty	Name of the Organization	Duration
1.	Ms. Shivani Dwivadi	IIT Bombay	1 month (10 <sup>th</sup> June to 9 <sup>th</sup> )

The major funding agency is Scheme for Collaborative Research Scheme under TEQIP III of NPIU etc

## Electronics & Communication Engineering

Sr. no	Name of the Project	Principal Investigator/ Coordinator	Sponsoring Agency	Collaborative Agency	Outlay (in Lacs ofRs.)	Completed /Ongoing
1	Empower rural medical services using a computer aided cancer diagnostic deep learning model for oral cancer.	PI: Mr. DiwakarGautam Co-PI1: Dr. Deepak Jhanwar Co-PI2: Dr. Mushtaq Ahmed.(MNIT)	AICTE CRS	GEC Ajmer & MNIT Jaipur	11.65/-	Ongoing



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## Civil Engineering

Following faculties of Department have done internship of 30 days at IIT Bombay under the Collaborative activities:

Sl. No.	Name of the faculty	Name of the Organization	Duration	Funding Agency
1.	Mr. Dhruv Saxena	IIT Bombay	1 month(20 <sup>th</sup> May to 9 <sup>th</sup> June 2019)	TEQIP-III
2.	Mr.Pravesh Saini	IIT Bombay	1month(7 <sup>th</sup> June to 8 <sup>th</sup> July 2019)	TEQIP-III
3	Mr. Naveen Choudhary	IIT Bombay	1month(12 <sup>th</sup> June to 12 <sup>th</sup> July 2019)	TEQIP-III

## Computer Science & Information Technology :

S. No.	Name of the Project	Principal Investigator and Co-PI	Sponsoring Agency	Type of funding agency (R&D/academic/Industry/PSU/Govt./Specify if any other.)	Out lay (in Lacs of Rs.)	Completed/Ongoing	Collaboration With
1	Pattern Analysis & Knowledge Discovery in e-Learning platform using Data Mining & Big Data Framework	PI: Mr. Satish Kumar Ray; CO-PI: Dr. Rakesh Rathi	AICTE	Govt. (NPIU-MHRD: TEQIP Collaborative Research Scheme)	1013000.00	Ongoing	VJTI Mumbai



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## 29. Curricular Achievement & Co-curricular Achievement

### Mechanical Engineering

S No.	Name of Faculty	Name of Activity/recognition	Year & Month	Awarding Agency/Institute
1	Dr. Doraj Kamal Jamuwa	Expert Talk	24 Feb 2018	Bhagwant University, Ajmer
2	Mr. Vinod Kumar Verma	F. Advisor	July 2018	SAEINDIA GECA Baja 2018, Chitkara Univ. Chandigarh
3	Mr. Tarun Kumar Aseri	Expert Talk	September 11-15, 2018	GEC, Ajmer
4	Mr. Tarun Kumar Aseri	organizing member	September 11-15, 2018	Civil Department, GEC, Ajmer

### Electronics & Instrumentation Control Engineering

The Department of Electronics Instrumentation & Control Engineering published 20 research papers were published in peer-reviewed journal during the last year, filed 1 patents, organized 2 one/two day workshops and is working on 6 projects worth 1.5 crres. Faculty members of the department visited labs in NIT/IIT & Central funded institute.

The Electronic Instrumentation & Control Engineering students achieved positions in top 10 merit list of Rajasthan Technical University Kota.

S. No	RTU Rank	Roll No.	Name	%
1	1	14EEAEI053	Shashank Chaturvedi	78.80
2	2	14EEAEI044	Rajat jain	75.52
3	5	14EEAEI006	Anupriya Pandey	72.90
4	6	14EEAEI019	Heeralal	72.76
5	7	14EEAEI037	Nishaverma	72.14
6	10	15EEAEI206	Sweetyojha	71.55



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## Participation of students in tournaments and results :

The institute has a decent infrastructure for organizing both out door & indoor sports activities. The students participated in the various events such as, Volleyball, Badminton, Tennis, Cricket, Kabaddi, chess, table tennis. Athletic (boys and girls) & power sports events.

The institute has organized the COMBAT 2018, Annual sports festival, Inter branch tournament of the institute like Volleyball, Badminton, Tennis, Cricket, Kabaddi, chess, table tennis. Athletic tournaments.

Activities organized by Institute during the session 2017-2018

S. No.	Event	Date	Brief descriptions
1	Inter branch tournament	Annual sports festival COMBAT 2018	Surya Prakash Samota and Mahipal from 3 <sup>rd</sup> Year achieved second position in Carrom
2	Inter branch tournament	Annual sports festival COMBAT 2018	Prakanksha Nagpal from 2 <sup>nd</sup> year achieved third position in Shotput throw
3	Inter branch tournament	Annual sports festival COMBAT 2018	Pragati Jangid and Gauri Sharma from 2 <sup>nd</sup> year achieved first position in Volleyball

Students of GEC Ajmer won laurels at inter College Athletics and Gymnastic meet, volleyball, badminton, basketball, cricket and kabaddi. Students participated in collages.

- Abishai Vishwashon from EIC 3<sup>rd</sup> year has been appointed as Battalion Major of NCC from Ajmer district.

Students from EIC dept. have won prizes in cultural fest Tarangini 2018:

- Prakanksha Nagpal, Harshit Gogoria, Gauri Sharma and Pradyumn Jha from second year achieved first position in Nukkad Natak.



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- Prakanksha Nagpal from second year achieved second position in Murder Mystery.
- Harshit Gogoria and Jaideep from third position in Murder mystery.
- Jaideep and Harshit Gogoria from second year achieved 3<sup>rd</sup> prize in treasure-hunt

## Electrical Engineering

The Department of Electrical Engineering published 10 research papers were published in peer-reviewed journal during the last year, filed 1 patents, organized 2 one/two day workshops and is working on 6 projects worth 1.5 crores. Faculty members of the department visited labs in NIT/IIT & Central funded institute.

The Electrical Engineering students achieved positions in top 10 merit list of RTU Kota.

S.No	Roll No.	Name	%
1	16EE26	Monalisa singh shekhawat	76.64
2	16EE35	Rajendra pareek	76.20
5	16EE05	Anshul	74.66
6	16EE09	Ayushi Awasthi	72.90
7	16EE03	Anjali soni	72.80

## Participation of students in tournaments and results:

The institute has a decent infrastructure for organizing both outdoor & indoor sports activities. The students participated in the various events such as, Volleyball, Badminton, Tennis, Cricket, Kabaddi, chess, table tennis. Athletic (boys and girls) & power sports events.

The institute was organized the COMBAT 2018, Annual sports festival, Inter branch tournament of the institute like Volleyball, Badminton, Tennis, Cricket, Kabaddi, chess, table tennis. Athletic tournaments.



# Engineering College Ajmer

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Activities organized by Institute during the session 2017-2018

S. No	Event	Date	Brief descriptions
1	SMART INDIA HACKATHON	2018	Ayushi Awasthi from 4 <sup>th</sup> year achieved third position
2	Table Tennis & Badminton	Annual sports festival COMBAT 2018	Pradhuman 2 <sup>nd</sup> year achieved first position.

Students of GEC Ajmer won laurels at inter College Athletics and Gymnastic meet, volleyball, badminton, basketball, cricket and kabaddi. Students participated in collages.

## Civil Engineering

Civil Engineering Department organized a cloth Donation Camp “PAHAL” Clothes collected were distributed to the needy people in the Vicinity of the Campus.



# Engineering College Ajmer

## Computer Science & Information Technology:

Cyber Security Club was established in March, 2019. Mr. Milind Agarwal (Cyber Crime Investigator) was chief guest of inaugural ceremony. The club's main purpose is to provide technical resources to students who are interested in cyber security. The club achieves this mission by organizing discussions and practice hands-on cyber security concepts including, but not limited to, network security, digital forensics, penetration testing, secure coding, cryptography, reverse engineering etc.

**Convener of the club: Dr. Rakesh Rathi (HOD, CS)**

**Faculty Co-ordinators: Ms. Jyoti Gajrani; Mr. Vinesh Jain; Mr. S. N. Tazi**

## Books/Chapter Published

S. No.	Name of Faculty	Chapter Title	Proceeding/Book Name	Publisher
1	Ms. Jyoti Gajrani, Mr. Vinesh Jain,	कैशलेस योजना : एक अनूठी पहल	साइबर सुरक्षा और वैज्ञानिक दृष्टिकोण	Vagyanik Drishtikon Society
2.	Ms. Jyoti Gajrani	Effectiveness of State-of-the-art Dynamic Analysis Techniques in Identifying Diverse Android Malware and Future Enhancements	ADCOM 119: Advances in Computers, Volume 119	Elsevier
3.	Mr. S.N. Tazi	Ethical Hacking and Hackathon	साइबर सुरक्षा और वैज्ञानिक दृष्टिकोण	Vagyanik Drishtikon Society
4	Mr. Vishnu Prakash Sharma	What is Cyber Security	साइबर सुरक्षा और वैज्ञानिक दृष्टिकोण	Vagyanik Drishtikon Society

## Participation of Faculty in National Seminar/Conference/Workshop/FDP/Short Term Course

S. No.	Name of Faculty	Title of Event	Place	Date(s)	Funding Agency
1	Dr. Rakesh Rathi	Deep Learning Applications	GEC AJMER	27-31 May 2019	ICT
2	Dr. Rakesh Rathi	Differential Equations and Their Applications in Sciences and Engineering	GEC AJMER	1-5 March 2019	TEQIP-III



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3	Dr. Rakesh Rathi	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	23-27 July 2018	TEQIP-III
4	Mr. Deepak Gupta	Robotics & Artificial Intelligence	GEC AJMER	June 24-28, 2019	ICT
5	Mr. Deepak Gupta	Renewable Energy Systems and their Techno-Economic Feasibility in India	GEC AJMER	July 8-12, 2019	TEQIP-III
6	Mr. Deepak Gupta	Deep Learning and Applications	GEC AJMER	May 27-31, 2019	ICT
7	Mr. Deepak Gupta	Network Security	GEC AJMER	May 20-24, 2019	ICT
8	Mr. Deepak Gupta	Differential Equations and their Applications in Science and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
9	Mr. Deepak Gupta	NS2/3 Simulator	NITTTR Chandigarh	28 Jan-1 Feb 2019	TEQIP-III
10	Mr. Deepak Gupta	Computational Techniques and Their Applications in Engineering	GEC AJMER	Sept 11-15, 2018	TEQIP-III
11	Mr. Deepak Gupta	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	23-27 July 2018	TEQIP-III
12	Ms. Shikha Gupta	Robotics & Artificial Intelligence	GEC AJMER	June 24-28, 2019	ICT
13	Ms. Shikha Gupta	Renewable Energy Systems and their Techno-Economic Feasibility in India	GEC AJMER	July 8-12, 2019	TEQIP-III
14	Ms. Shikha Gupta	Deep Learning and Applications	GEC AJMER	May 27-31, 2019	ICT
15	Ms. Shikha Gupta	Network Security	GEC AJMER	May 20-24, 2019	ICT
16	Ms. Shikha Gupta	Differential Equations and their Applications in Science and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III



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17	Ms. Shikha Gupta	Computational Techniques and Their Applications in Engineering	GEC AJMER	Sept 11-15, 2018	TEQIP-III
18	Ms. Shikha Gupta	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	23-27 July 2018	TEQIP-III
19	Mr. Vishnu Prakash Sharma	Differential equation and their application in sciences and engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
20	Mr. Vishnu Prakash Sharma	Professional Ethics and human values	Shri Mata Vaishno Devi University Jammu	11-15 March 2019	SMVDU
21	Mr. Vishnu Prakash Sharma	Network Security	GEC AJMER	May 20-24, 2019	ICT
22	Mr. H.R. Choudhary	Differential equation and their application in sciences and engineering	GEC AJMER	1-5 March 2019	TEQIP-III
23	Mr. H.R. Choudhary	Professional Ethics and human values	Shri Mata Vaishno Devi University Jammu	11-15 March 2019	SMVDU
24	Mr. H.R. Choudhary	Professional development programme	IIM Shilong	10-14 June 2019	TEQIP-III
25	Mr. H.R. Choudhary	Network Security	GEC AJMER	May 20-24, 2019	ICT
26	Mr. H.R. Choudhary	Deep learning and applications	GEC AJMER	27-31 May 2019	ICT
27	Ms. Jyoti Gajrani	Professional Ethics and human values	Shri Mata Vaishno Devi University Jammu	11-15 March 2019	SMVDU
28	Ms. Jyoti Gajrani	Network Security	GEC AJMER	May 20-24, 2019	
29	Ms. Jyoti Gajrani	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
30	Ms. Jyoti Gajrani	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
31	Ms. Jyoti Gajrani	Network Security	GEC AJMER	May 20-24, 2019	ICT



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32	Mr. S.N. Tazi	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	July 23-27 2018	TEQIP-III
33	Mr. S.N. Tazi	Differential Equations and Their Applications in Sciences and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
34	Mr. S.N. Tazi	Entrepreneurship Innovation	IIT Bombay	July 8-12	TEQIP-III
35	Mr. Dilip Sisodia	Active Learning Workshop on Pedagogy and Research	GEC AJMER	June 4-8, 2018	ICT
36	Mr. Dilip Sisodia	ANN and Deep Learning	GEC AJMER	June 11-15, 2018	ICT
37	Mr. Dilip Sisodia	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	July 23-27, 2018	TEQIP-III
38	Mr. Dilip Sisodia	Differential Equation and Their Application in Science and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
39	Mr. Dilip Sisodia	Pedagogy	SMVDU Katra	March 11-15, 2019	SMVDU
40	Mr. Dilip Sisodia	Network Security	GEC AJMER	May 20-24, 2019	ICT
41	Mr. Dilip Sisodia	Deep Learning and Applications	GEC AJMER	May 27-31, 2019	ICT
42	Mr. Dilip Sisodia	Pedagogy Workshop on Effective Teaching	IIT Guwahati	June 3-7, 2019	ICT
43	Mr. Dilip Sisodia	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
44	Mr. Dilip Sisodia	Robotics & Artificial Intelligence	GEC AJMER	June 24-28, 2019	ICT
45	Mr. Dinesh Khunteta	Nature Inspired Algorithms for Engineering and Applications	GEC AJMER	July 23-27, 2018	
46	Mr. Dinesh Khunteta	Network Security	GEC AJMER	May 20-24, 2019	ICT



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47	Mr. Dinesh Khunteta	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
48	Mr. Dinesh Khunteta	Differential Equation and Their Application in Sciences and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
49	Dr. Neetu Sharma	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	July 23-27, 2018	TEQIP-III
50	Dr. Neetu Sharma	Network Security	GEC AJMER	May 20-24, 2019	ICT
51	Dr. Neetu Sharma	Deep Learning and Applications	GEC AJMER	May 27-31, 2019	ICT
52	Mr. Ravindra Singh	Active Learning Workshop on Pedagogy & Research	GEC AJMER	June 4-6, 2018	ICT
53	Mr. Ravindra Singh	ANN And Deep Learning	GEC AJMER	June 11-15, 2018	ICT
54	Mr. Ravindra Singh	Nature Inspired Algorithms for Engineering Applications	GEC AJMER	July 23-27, 2018	TEQIP-III
55	Mr. Ravindra Singh	Differential Equation and Their Application in Sciences and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III
56	Mr. Ravindra Singh	NETWORK SECURITY	GEC AJMER	MAY 20-24, 2019	ICT
57	Mr. Ravindra Singh	DEEP LEARNING & APPLICATIONS	GEC AJMER	MAY 27-31, 2019	ICT
58	Mr. Ravindra Singh	INTRODUCTION TO PROGRAMMING: A PEDAGOGICAL APPROACH	GEC AJMER	June 17-22, 2019	ICT
59	Mr. Ravindra Singh	ROBOTICS & ARTIFICIAL INTELLIGENCE	GEC AJMER	JUNE 24-28, 2019	ICT
60	Mr. Anil Kumar Tailor	PEDAGOGY	SMVDU, Katra	March 11-15, 2019	SMVDU
61	Mr. Anil Kumar Tailor	Nature Inspired Algorithms for	GEC AJMER	July 23-27, 2018	TEQIP-III



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		Engineering and Applications			
62	Mr. Anil Kumar Tailor	Network Security	GEC AJMER	May 20-24, 2019	ICT
63	Mr. Anil Kumar Tailor	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
64	Mr. Anil Kumar Tailor	Embedded Systems and Interfacing Hands On	GEC AJMER	June 10-14, 2019	
65	Mr. Anil Kumar Tailor	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
66	Ms. Anita Choudhary	Big Data Analytics and Machine Learning	Dr. B. R. Ambedkar Institute or Technology	22-28 Apr 2018	TEQIP-III
67	Ms. Anita Choudhary	Network Security	GEC AJMER	May 20-24, 2019	ICT
68	Ms. Anita Choudhary	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
69	Ms. Anita Choudhary	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	3-7 June, 2019	TEQIP-III
70	Ms. Shalini Yadav	Network Security	GEC AJMER	May 20-24, 2019	ICT
71	Ms. Shalini Yadav	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
72	Ms. Shalini Yadav	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
73	Mr. Pawan Kumar	Robotics & Artificial Intelligence	GEC AJMER	June 24-28, 2019	ICT
74	Mr. Pawan Kumar	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
75	Mr. Pawan Kumar	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
76	Mr. Pawan Kumar	Deep Learning & Applications	GEC AJMER	May 27-31, 2019	ICT
77	Mr. Pawan Kumar	Differential Equations and Their Applications in Sciences and Engineering	GEC AJMER	March 1-5, 2019	TEQIP-III



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78	Mr. Rakesh Verma	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
79	Mr. Satish Kumar Ray	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
80	Mr. Anurag Jain	Big Data Analytics and Machine Learning	Dr. B. R. Ambedkar Institute or Technology	22-28 Apr 2018	TEQIP-III
81	Mr. Anurag Jain	Network Security	GEC AJMER	May 20-24, 2019	ICT
82	Mr. Anurag Jain	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
83	Mr. Jitendra Singh Yadav	Wireless Communication and Signal Processing Techniques	MNIT JAIPUR	May 20-24, 2019	TEQIP-III
84	Mr. Jitendra Singh Yadav	DEEP LEARNING & APPLICATIONS	GEC AJMER	May 27-31, 2019	ICT
85	Mr. Jitendra Singh Yadav	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
86	Mr. Jitendra Singh Yadav	Introduction to Programming: A Pedagogical Approach	GEC AJMER	June 17-22, 2019	ICT
87	Ms. Suman Choudhary	Big Data Analytics and Machine Learning under	Dr. B. R. Ambedkar Institute or Technology	22-28 Apr 2018	TEQIP-III
88	Ms. Suman Choudhary	Network Security	GEC AJMER	May 20-24, 2019	ICT
89	Ms. Suman Choudhary	Advanced Pedagogies: Active Learning and Digital Tool	IIT Bombay	June 03-07, 2019	TEQIP-III
90	Mr. Vinesh Jain	DEEP LEARNING & APPLICATIONS	GEC AJMER	May 27-31, 2019	ICT
91	Mr. Vinesh Jain	Network Security	GEC AJMER	May 27-31, 2019	ICT
92	Mr. Vinesh Jain	Professional development programme	IIM Shilong	10-14 June 2019	TEQIP-III



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93	Mr. Vinesh Jain	Pedagogy Workshop on Effective Teaching	IIT Guwahati	June 3-7, 2019	ICT
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S. No.	Event Name	Date	Student Name	Games & Sports
1.	Wilfred's Technotsav	March 27, 2019	Ashish Kumar	Kabaddi
2.	Combat 2k18	Sept 28-01Oct, 2018	Pulkit Bhardwaj	Kabaddi
3.	Combat 2k18	Sept 28-01Oct, 2018	Ashish Kumar	Kabaddi
4.	Combat 2k18	Sept 28-01Oct, 2018	Pankaj Balchandani	Kabaddi
5.	Combat 2k18	Sept 28-01Oct, 2018	Ojasvi Vijay	Chess
6.	Combat 2k18	Sept 28-01Oct, 2018	Ojasvi Vijay	Badminton
7.	Combat 2k18	Sept 28-01Oct, 2018	Vipasha Sharma	Table Tennis
8.	Combat 2k18	Sept 28-01Oct, 2018	Aditi	Kho-Kho



# Engineering College Ajmer

## 30. Awards/Prizes won by students, faculty

### Electronics & Instrumentation Control Engineering

1. H. S. Mewara has been awarded Ph.D. degree from Rajasthan Technical University, Kota with his continuous dedication towards his work in December 2018.
2. Mr. Dipak Kumar Mishra has been awarded Ph.D. degree from NIT Durgapur with his hard work in December 2018.

### Electronics & Communication Engineering

Sr. No.	Faculty Name	Awards and Prize
1.	Dr. Rekha Mehra	<ul style="list-style-type: none"><li>• Recipient of National, State and Sponsored Scholarships at School Level.</li><li>• Second Highest position in B.Sc. Maths.</li><li>• Best Project Award winner for project work in B. Tech Examination.</li><li>• Honoured for Best Performance on Republic Day by Govt. Engineering College, Ajmer.</li><li>• Honoured by Merit Appreciation Certificate by Lion's Club, Ajmer on Teacher's Day.</li><li>• Recognized at International level by Marquis World Who's Who</li></ul>

### Civil Engineering

#### SWAYAM- AICTE Approved FDP Online Certification Courses by faculties

Sr. No	Name of the candidate	Title of the course	Award	Funded by
1	Mr. Dhruv Saxena	Subsurface Exploration: Importance and Techniques	Elite + FDP	TEQIP-III
2	Mr. Dhruv Saxena	Geosynthetics & Reinforced soil structures	FDP	TEQIP-III

### Computer Science & Information Technology:

Dr. Rakesh Rathi is nominated as DRC member of computer engineering, RTU, Kota.



# Engineering College Ajmer

## 31. Financial Information: Funds Received & Spent

Tentative Financial report for of ECA for financial year 2018-19  
(Actual Report will be attached soon after auditing)

Engineering College, Ajmer- as at 31-Mar-2019	
PROVISIONAL BALANCE SHEET	
<b>Sources of Funds :</b>	
<b>Capital Account</b>	<b>224847014.50</b>
CAPITAL FUND	177392410.50
GENERAL FUND	47454604.00
<b>Loans (Liability)</b>	
<b>Current Liabilities</b>	<b>-8977723.00</b>
Sundry Creditors	95200.00
Advance Taken Recovery	-135710.00
Bonus	-492809.00
BONUS SH RAM SINGH	
Cmat-2015	-2000.00
College Caution Money Refund	-7116800.00
Conference Grant	
EMD	593765.00
GPF-NP	-524169.00
G P F - SFS	-1029492.00
Gratuity Share -NP	1535388.00
Gratuity Share-SFS	253120.00
Gst Acctt	
House Rent Deduc.-NP	
HOUSE RENT DEDUCTION	-1314.00
House Rent & Elec. Charges-Principal-NP	4636.00
House Rent & Elec. Charges-SFS	608.00
INCOME TAX	-21660195.00
NPS Employee Share-NP	
NPS Employee Share-SFS	-12309.00
NPS Society Share-NP	
NPS Society Share-SFS	-12309.00
Other Deduction(Exces Salary)	
PF Employee Share-NP	2055076.00
PF Employee Share -SFS	3628164.00
PF Loan Deduction-NP	199100.00
PF Loan Deduction - Sfs	242857.00
PF R. S Rathore	53001.00
PF Society Share-NP	1315050.00
PF Society Share-SFS	3271404.00
Ph.D Reg. Fee	-82364.00
Principal Pension Cont (MNIT)	
Processing Fee B. Tech	-26000.00
Reap-2015	-8000.00
Recovery From Hostel	
Recovery From Non Soc.	-50373.00
Recovery From Tequip	-79306.00
Rmcaal-16	-2000.00
Rmcaal-2015	-1000.00
RPET-2004	
RPMF-NP	-4195.00
RTU Grant	11018454.00



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Sakshi Electrics & Electronics		
Security Deposit	38050 00	
SECURITY DEPOSIT PAYABLE	182673 00	
SI Loan Installment-SFS		
SI-NP	27500 00	
SI - SFS	-1197660 00	
Staff Club	300 00	
State Cheques	671453 00	
Student Scholarship Refund	-88040 00	
TCS Payable	-7520 00	
TDS CONTRACT	-1604657 00	
Transportation Fee Refund	-25300 00	
Travel Grant AICTE		
Welfare Fund		
Welfare Fund for Mahendra Singh Naruka		
<b>Profit &amp; Loss A/c</b>		<b>201265501.00</b>
Opening Balance	169794528 00	
Current Period	31470973 00	
<b>Total</b>		<b>417134792.50</b>

## Application of Funds :

<b>Fixed Assets</b>		<b>312673200.50</b>
BUILDING	156231371 00	
FURNITURE & OFFICE EQUIPMENT	22374966 00	
HOSTEL & LAB EQUIPMENT	58877192 00	
LIBRARY BOOKS, FURNITURE & EQUIPMENT	21682265 50	
Building Const Civil&Elec Block	42352310 00	
CAR A/C	1524590 00	
Comp Lab Networking-SFS	1763522 00	
Electric Fitting Raw Matenal-SFS	46310 00	
Electric Fitting & Water Work-SFS	578521 00	
Equipment CS & IT	1230728 00	
Equipment Civil Lab	799402 00	
Equipment Eco Lab	1368525 00	
Equipment EIC Lab.	488250 00	
Equipment Elect.	893773 00	
Equipment ME Lab.	5600 00	
Equipment Office	2088782 00	
Equipment Physics Lab	101553 00	
Equipment Qee-Sfs	86955 00	
Equipment-T & P	97530 00	
Fire Extinguisher	29503 00	
Motor Cycle-SFS	51552 00	
Principal Resi Furnichare&Equip		
<b>Investments</b>		
FIXED DEPOSITS -SFS		<b>104461592.00</b>
<b>Current Assets</b>		
Deposits (Asset)	511288 00	
Loans & Advances (Asset)	33773793 00	
Cash		
Bank Accounts	15653825 00	



# Engineering College Ajmer

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## Debitors

Non Society-Sbi Bank Loan	600000 00
PD A/C BALANCE-872	33176306 00
PF MNT (Principal Share)	943439 00
FF PD A/c No. 749	20155561 00
RTU	-352620 00
<b>Total</b>	<b>417134792.50</b>



## 32. Internal Revenue Generated

### Civil Engineering

Department of Civil Engineering has started consultancy works related to Design, Construction, Quality Investigation of structures like Road Pavements, Buildings, Bridges etc. The total revenue generated by the consultancies in academic year 2018-19 is approximate **Rs. 1,30,000.00/-**

### Computer Science & Information Technology:

S. No.	Name of Event	Revenue Granted (In Rs.)
1	Robotics & Artificial Intelligence Security	10000
2	Network Security	10000
3	Introduction to Programming: A Pedagogy Approach	10000
4	Deep Learning and Applications	10000