

**Details of PG programs offered in Constituent Colleges / Units of JNUTK, Kakinada – 2022-2023**

Disp. No.	Name of the Discipline/Branch	M.Tech - Specialization	College/ Institute	Fee / Semester	No of Sponsored Seats	Eligibility (Qualifying Degree)
1.	Civil Engg.	1.Structural Engineering	UCEK	Rs. 25000/-	04	B.E./B.Tech./AMIE in Civil Engg./ Construction Engg (or) equivalent/Civil and Environmental Engg.
		2.Soil Mechanics and Foundation Engineering	UCEK	Rs. 25000/-	02	
		3.Hydraulics and Water Resource Engineering	UCEK	Rs. 25000/-	05	
2.	Electrical & Electronics Engg.	1.High Voltage Engg	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE in Electrical & Electronics Engg. (or) Equivalent/ Electrical Engineering.
		2.Advanced Electrical Power Systems	UCEK	Rs. 25000/-	05	
		3.Power Electronics and Drives	UCEK	Rs.25000/-	05	
		1.Power Electronics	UCEN	Rs.25000/-	05	
3	Mechanical Engg.	1.CAD / CAM	UCEK	Rs. 25000/-	04	B.E./B.Tech./AMIE in Mechanical Engg. /Automobile Engg., / Metallurgy/ Industrial Engg., /Mechanical Engg. (Mechatronics), /Mechanical Engg. (Production) / Aeronautical Engineering / Production Engineering /Industrial and Production Engineering/ Marine Engineering (or) equivalent / Mechatronics / Mining Engg. / Industrial Production / Mechanical Marine / Metallurgy.
		2.MachineDesign	UCEK	Rs. 25000/-	04	
		3.Thermal Engineering	UCEK	Rs. 25000/-	05	
4	Electronics & Communication Engg.	1.Instrumentation and Control Systems	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE in EEE/ECE/EIE/ E.Cont.E / Electronics & Computer Engg./ Instrumentation Engg./ Instru. Tech./ Electronics Engg. / Bio-Medical Engg. / (or) Equivalent / Electrical Engg. / Electronics and Control / Electronics / Instrumentation and Control / Electronics and Telematics.

		2. Computers & Communication Engg.	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE in CSE/ECE/CSIT/IT/ETM/EEE/EIE& CSSE equivalent. M.Sc (Electronics) is not eligible.
		3.VLSI & Embedded Systems	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE in ECE/ AIME (Electronics and Telecommunication Engineering / AMIETE (Electronics & Telematics Engg.)/ (Electronics & Computer Engg (or) Equivalent. M.Sc (Electronics) is not eligible.
		4. Communication Engg. and Signal Processing	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE in ECE/ AIME (Electronics and Telecommunication Engineering / AMIETE (Electronics & Telematics Engg.)/ (Electronics & Computer Engg (or) Equivalent. M.Sc (Electronics) is not eligible.
5	Computer Science and Engineering	1.Computer Science & Engineering	UCEK	Rs. 25000/-	04	B.E./B.Tech./AMIE in any branch of Engg. / Tech. (or) equivalent Master's Degree in Physics, Statistics, Mathematics or Applied Mathematics, Applied Statistics, Applied Physics, Geophysics, M.Sc.(Comp. Sc.), M.Sc.(information Systems), (Computer Applications and Electronics) and MCA , M Sc (Electronics) (or) Equivalent
		2.Information Technology	UCEK	Rs. 25000/-	05	B.E./B.Tech /AMIE in CSE / CSIT / Electronics & Computers Engg./ IT & Computer Science and Systems Engineering. Equivalent (or) MCA
		3.Cyber Security	UCEK	Rs. 25000/-	05	
6	Computer Science and Engineering	1.Computer Science & Engineering	UCEN	Rs. 25000/-	05	B.E./B.Tech./AMIE in any branch of Engg. / Tech. (or) equivalent Master's Degree in Physics, Statistics, Mathematics or Applied Mathematics, Applied Statistics, Applied Physics, Geophysics, M.Sc.(Comp. Sc.), M.Sc.(information Systems), (Computer Applications and Electronics) and MCA , M Sc (Electronics) (or) Equivalent

7	Bio-Technology	Bio-Technology	IST	Rs. 25000/-	05	B.E./ B.Tech. / AMIE: Chemical Engg. / Bio-Technology / Biochemical Engg. / Bio-Informatics /Industrial Biotechnology/ Agricultural Engg. (or) M.Sc. in Env. Sciences/ Chemistry / Biochemistry / Microbiology / Biotechnology / Life Sciences / B.V.Sc / M.B.B.S. / B.D.S. / B.Pharmacy / Food Technology
8	Nano Technology	Nano Technology	IST	Rs. 25000/-	05	B.E./B.Tech. in Nano Technology/ Chemical / Mechanical / Aeronautical / Electronics/ Electrical / Computer Engg./ Bio-Technology / Material Science (or) equivalent degree M.Sc in Chemistry / Physics / Bio-Technology / Earth Science / Environmental Science & Technology / Electronics or equivalent degree.
9	Remote Sensing	Remote Sensing	IST	Rs. 25000/-	05	B.E./B. Tech./AMIE any branch in Engineering or M. Sc (Maths) /( Physics) /Geology/Env. Science & Tech (life Science, Botany, Chemistry are not eligible)
10	Food Processing Technology.	Food Processing Technology.	University	Rs. 25000/-	05	B.E./B.Tech. or equivalent degree in Food Technology/ Food Science/ Food Engineering / Bio Technology/Dairy/ Agricultural Engineering (or) M. Sc. in Food Technology/ Food Science & Nutrition / Bio Technology/ Chemistry/Dairy Tech.

11	Avionics	Avionics	IST	Rs. 25000/-	05	B.E./B.Tech. or equivalent degree in Electronics and Communication Engg. /Electronics/ Electrical and Electronics/Electrical/CSE/Information Technology/ EIE/ Electronics and Control
12	School of Renewable Energy & Environment	1.Renewable Energy	IST	Rs. 25000/-	04	B.E. / B.Tech. / AMIE in Electrical and Electronics Engg/ Mechanical Engineering
		2.Environmental Engineering and Management	IST	Rs. 25000/-	05	B.E./B.Tech./AMIE in Civil Engg., Chemical Engineering, Civil and Environmental Engineering
13	Environmental Occupational Health & Safety	Environmental Occupational Health & Safety	IST	Rs. 25000/-	05	B. E./B.Tech./ AMIE (For all Engineering branches and related courses)
14	Pipeline Engineering	Pipeline Engineering	UCEK	Rs. 25000/-	05	B.E./B.Tech./AMIE/ AMICHE in Chemical /Petrochemical/ Petroleum/ Mechanical/ Instrumentation/ Civil/ Electrical/ Geo-Science Engineering or Equivalent
15	Petroleum Engineering	Petroleum Engineering	UCEK	Rs. 25000/-	05	B.E./B. Tech. /AMIE / AMICHE in chemical Engineering /Petrochemical Engineering /Petroleum Engineering /Applied Petroleum Engineering /Geo-Science Engineering /Mechanical Engineering or Equivalent
16	MCA	MCA	UCEK	Rs. 25000/-	02	Should have studied and passed a 3 years degree course any faculty conducted by the Universities (or) its equivalent degree examination in 10+2+3 pattern ( Degree of 3 years duration with Mathematics as one of the subject at intermediate (or) degree) recognized by UGC. 50% marks for OC, <u>candidates</u> (45% marks in case of BC,SC,ST and PH categories) in the qualifying examination. <b>Candidates with valid ICET – 2022 Rank with working experience are preferred.</b>

17	MBA	MBA	SMS	Rs.75000/-	02	Should have passed recognized Bachelors Degree Examination of minimum three years duration with at least 50% marks for OC,BC candidates (45% marks in case of SC,ST and PH categories) in the qualifying examination. <b>Candidates with valid ICET – 2022 Rank with working experience are preferred.</b>
18	MBA	MBA(CMU) SF Course	SMS	I year Rs. 150000/- (Rs.75000 per Semester) + II year \$12000 USD(Approximately) (Excluding living expenses)	16	4 years UG degree with 60% marks after 10+2. Preference will be given to ICET - 2022 qualified candidates. After 1st year completion at JNTUK, those who will fulfill the requirements of CMU (USA) will be admitted in to II <sup>nd</sup> year at CMU(USA). Requirements and details can be obtained from School of Management Studies (SMS), JNTUK.

**UCEK: University College of Engg., Kakinada; IST: Institute of Science &Technology (JNTUK campus) : SMS :School of Management Studies (JNTUK campus) UCEN: University College of Engg., Narasaraopet.**

**NOTE:** (i) The number of seats may change in the above categories

(ii) The above vacancies are for employees who have put up one year of service and working in Industry / Educational or Research Units & Sponsored by respective employers. However if sufficient candidates are not turned up, the service may be relaxed.

(iii) If sufficient number of candidates are not available, the course/program will not be offered.

(iv) APPGECET guidelines may be referred for any other information or clarification.