

Details of PG programs offered in Constituent Colleges / Units of JNUTK, Kakinada – 2023-2024

| 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/- | 05 | 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/- | 05 | |
| | | 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/- | 05 | 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/- | 05 | |
| | | 3.Thermal Engineering | UCEK | Rs. 25000/- | 05 | |
| 4 | Electronics & Communication Engg. | 1.Instrumentation and Control Engg | 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. |

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| | | 3.VLSI & Embedded Systems | UCEK | Rs. 25000/- | 05 | B.E./B.Tech./AMIE in ECE/ EEE/CSE/Electronics & Computers Engg/ETE/IT/CSIT/Electronics & Control Engg/Instrumentation Technology/ EIE/ Electronics Engg/ Bio-Medical Engg / AMIETE and / Electronics & Telematics Engg. / (or) Equivalent. M.Sc (Electronics) is not eligible. |
| 5 | Computer Science and Engineering | 1.Computer Science & Engineering | UCEK | 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 |
| | | 2. Artificial Intelligence and Machine Learning (AIML) | UCEK | Rs. 25000/- | 05 | B.Tech (CSE) B.TECH (IT),B TECH (CS IT) B.TECH (CS&SE) B.Tech CSE (AI), B.Tech CSE (AI & MI),B.Tech CSE (DS) B.Tech (Computer System and Design, B.Tech CSE (AI & DS) MCA |
| | | 3.Cyber Security | UCEK | Rs. 25000/- | 05 | B.E./B.Tech /AMIE in CSE / CSIT / Electronics & Computers Engg./ IT & Computer Science and Systems Engineering. Equivalent (or) MCA |
| 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 |

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| 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 / Chemical 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/- | 05 | 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 Engineering, Civil and Environmental Engineering |

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| 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) (or) 10+2+4 with minimum 5 years of Industrial experience in EHS/Safety Department (or) Any PG with minimum 3 years of Industrial experience in EHS/Safety Department. |
| 14 | MCA | MCA | UCEK | Rs. 25000/- | 05 | 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. Candidates with valid ICET – 2023 Rank with working experience are preferred. |
| 15 | MBA | MBA | SMS | Rs.75000/- | 09 | 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. Candidates with valid ICET – 2023 Rank with working experience are preferred. |

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.