**Details of PG programs offered in Constituent Colleges / Units of JNUTK, Kakinada - 2018-19**

| **Disp. No.** | **Name of the Discipline/Branch** | **M.Tech -Specialization** | **College/****Institute** | **Fee /****Semester** | **Eligibility (Qualifying Degree)** |
| --- | --- | --- | --- | --- | --- |
| 1. | Civil Engg. | 1.Structural Engineering | UCEK | Rs. 25000/- | 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/- |
| 3.Hydraulics and Water Resource Engineering | UCEK | Rs. 25000/- |
| 2. | Electrical & Electronics Engg. | 1.High Voltage Engg | UCEK | Rs. 25000/- | B.E./B.Tech./AMIE in Electrical & Electronics Engg. (or) Equivalent/ Electrical Engineering. |
| 2.Advanced Electrical Power Systems | UCEK | Rs. 25000/- |
| 3.Power Electronics and Drives | UCEK | Rs.25000/- |
| 4.Advanced Power Systems | UCEV | Rs. 25000/- |
| 3 | Mechanical Engg. | 1.CAD / CAM | UCEK | Rs. 25000/- | 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/- |
| 3.Thermal Engineering | UCEK | Rs. 25000/- |
| 4.Thermal Engineering | UCEV | Rs. 25000/- |
| 4 |  Electronics & Communication Engg. | 1.Instrumentation and Control Systems | UCEK | Rs. 25000/- | 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/- | 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/- | 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 and Telematics Engg. (or) equivalent. M.Sc.(Electronics is not eligible.) |
| 4.Communication Engg. and Signal Processing | UCEK | Rs. 25000/- | B.E./B.Tech.in ECE/AMIE in ECE /AMIE (Electronics and Telecommunication Engineering/AMIETE (Electronics & Telematics Engg.) / (Electronics & Computer Engg.) or equivalent. M.Sc.(Electronics is not eligible.) |
| 5. Systems. And Signal Processing | UCEV | Rs. 25000/- | B.E./B.Tech.in ECE/AMIE in ECE /AMIE (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/- | 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/- | 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/- |
| 4.Computer Science & Engineering | UCEV | Rs. 25000/- | 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 |
| 6 | Information Technology | Information Technology | UCEV | Rs. 25000/- |  B.E./B.Tech /AMIE in CSE / CSIT / Electronics & Computers Engg./ IT & Computer Science and Systems Engineering. Equivalent (or) MCA |
| 7 | Bio-Technology | Bio-Technology | IST | Rs. 25000/- | 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/- | B.E./B.Tech. in Chemical / Mechanical / Aeronautical / Electronics/ Electcrical / Computer Engg./ Bio-Tecnology / Material Science (or) equivalent degree M.Sc in Chemistry / Physics / Bio-Tecnology / Earth Science / Envirommental Science & Technology / Electronics or equivalent degree |
| 9 | Remote Sensing | Remote Sensing | IST | Rs. 25000/- | 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/- | B.E./B.Tech. or equivalent degree in Food Technology/ Food Science/ Food Engineering / Bio Technology/Dairy/ Dairy Tech./ Agricultural Engineering orM. Sc. in Food Technology/ Food Science & Nutrition / Bio Technology/ Chemistry/Dairy Tech. APPGECET-2018 guidelines will be followed. |
| 11 | Avionics | Avionics | IST | Rs. 25000/- | 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/- | B.E. / B.Tech. / AMIE in EEE/ Electrical Engg.,/Mechanical Engineering |
| 2.Environmental Engineering and Management | IST | Rs. 25000/- | B.E./B .Tech./AMIE in Civil Engg./ Chemical Engineering/ Bio- Technology/ Civil and Environmental Engg.  |
| 13 | Pipeline Engineering | Pipeline Engineering | UCEK | Rs. 25000/- | B.E./B.Tech./AMIE/ AMICHE in Chemical /Petrochemical/ Petroleum/ Mechanical/ Instrumentation/ Civil/ Electrical/ Geo-Science Engineering or Equivalent  |
| 14 | Material Science and Technology | Material Science and Technology | UCEV | Rs. 25000/- | B.Tech in Metallurgical Engineering, Metallurgical and Materials Engg. / Mechanical Engg./ Industrial Engg./ Production Engg. / Ceramic Engg. / Nano Technology and Material Science Engineering |
| 15 | Environmental Occupational Health & Safety | Environmental Occupational Health & Safety | IST | Rs. 25000/- | M.B.B.S, B. Tech. (Mechanical, Electrical, Civil, Petroleum, Petrochemical, Chemical Engineering), B.Sc.(Nursing), BDS, M.Sc., (Physics, Chemistry, Math, Life Sciences etc.). Candidate should have 50% marks in the qualifying exam |

**UCEK: University College of Engg, Kakinada; UCEV: University College of Engg, Vizianagaram ; IST: Institute of Science &Technology (JNTUK campus) :**

**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.