

Department of Physics & Electronics

Consultancy Service – Instrument Facility for Ph.D Scholars

The Department of Physics & Electronics two faculty members are doing research in “Ultrasonic Studies in Binary Organic Liquid Mixtures.” One of the members Dr. P.B. Sandhya Sri is giving support to Acharya Nagarjuna University scholars of Prof. C. Rambabu in analysis, publishing papers and thesis preparation. And the other person Sri J. Pandu Ranga Rao completed his M. Phil in the same topic and submitted one Minor Research Project. In this connection we purchased an Ultrasonic Inter ferometer, Viscometers and density Bottles with thermostat. He is continuing his work for his Ph.D also using these instruments..

Most of the Acharya Nagarjuna Univeristy Scholars who are pursuing M.Phil and Ph.D as part time in Physics and Chemistry are affected with the non-availability of the above equipment. Hence we are providing instrument facilities in our Department for the research scholars.. The scholars are coming to our college in their available time and using the instruments for taking readings. They are measuring ultrasonic velocity with ultrasonic interferometer, density with specific gravity bottle and viscosity with Ostwald viscometer. After taking all data experimentally they are coming for data analysis. Dr. P.B. Sandhya Sri is training them in analysis data in an excel sheet and with the help of some software. For providing instruments minimum cost is charged to the scholars which is again used for the purpose of repair and maintenance of instruments.