

ROJA RANI KORRAYI

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Career Objective: To gain knowledge and enhance my skills by undertaking challenging projects and research activities while working in professional environment and to contribute my best to the organization.

EDUCATION

Degree	University/Institution	Year	CGPA/Percentage
M.Tech in Metallurgical Engineering	Andhra University	2016-2018	76.4%
B.Tech in Metallurgical and Materials Engineering	RGUKT,APIIIT-Nuzvid	2011-2015	76.4%
PUC	RGUKT,APIIIT-Nuzvid	2009-2011	73.7%
SSC	GOVT HIGH SCHOOL-PATHAPATNAM	2008-2009	92.2%

RESEARCH EXPERIENCE

(I) To Study the Effect of Microstructural parameters on Magnetic, Electrical and Mechanical Properties of Fe-P Alloy

Centre for automotive energy materials, International Advanced Research Centre for powder metallurgy and new materials, Chennai.

Supervisors: Dr. R. Gopalan (Associate Director), Dr. D. Prabhu (Scientist – C)



Fe-P alloys were synthesised in different composition and the microstructural features are correlated with its magnetic and electrical properties.

(II) Silver nano particles: A green approach mediated by lantana camara leaf extract

Department of physics, Rajiv Gandhi University of Knowledge Technologies (RGUKT- N), Andhra Pradesh

Supervisors: Dr. Prashantha Jyothi Gautham

COURSES AND WORKSHOPS

- ✧ Attended work shop on nano science and technology at IIT Madras in March 2014.
- ✧ Undergone a course named as “Tailoring and Tuneable properties of Nano Materials” at IIT Madras.
- ✧ Internship training at Visakhapatnam steel plant at 2014.

HANDS ON EXPERIENCE

- ✧ Good polishing skills for getting microstructure.
- ✧ Can operate the CNC Lathe machine, Drilling machine, Milling and Welding in both gas welding and arc welding processes.
- ✧ Can operate the Heat Treatment furnaces both in manual and automated mode.
- ✧ Can operate all types of Hardness (Brinell, Rockwell, Micro-Vickers) Testing machines in laboratory level.

MAJOR SUBJECTS

Physical Metallurgy, Mechanical Metallurgy, Non-Ferrous Extractive Metallurgy, Structure and Property of Materials, Metallurgical Thermodynamics, Solidification Process, Heat Treatment of Metals, Iron & Steel Making, Corrosion and Environmental Degradation of Materials, Transport Phenomenon in Metallurgy, Metal Joining & Particulate Technology, Ceramic Technology, Material Characterization, Engineering Polymers and Polymer Matrix Composites.

COMPUTER SKILLS

Operating Systems: Linux, Fedora, Windows (all types).

Courses: MySQL, LATEX.

Languages Known: C-Language, Python, DBMS, Design Of Algorithm.

HUMANITIES COURSES

- ✧ English For Communication
- ✧ Managerial Economics

ACCOMPLISHMENTS

- ✧ Paper published on “*SILVER NANO PARTICLES: A GREEN APPROACH MEDIATED BY LANATANA CAMARA LEAF EXTRACT*” (Conference proceeding).
- ✧ Received best paper award in Tekzite 2k14 held in RGUKT Nuzvid.

EXTRA CURRICULAR ACTIVITIES

- ✧ Dealt as Class Representative for 2012-2013 Academic Year.
- ✧ Drawing, Singing, Dancing.

PERSONAL DETAILS

Father Name:	Rama Rao Korrayi
Mother Name:	Jaya Korrayi
Date of Birth:	June 10,1994
Gender:	Female
Languages Known:	English, Telugu
Nationality:	Indian
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