

MANISH RAGHUWANSHI

Date/ Place of Birth: 19 February, 1991, Madhya Pradesh, India.

Sex : Male

Branch (Major): Engineering Physics (5 year integrated M.Tech)

Currently In: 3rd year

Present Address: 114, Vishwakarma hostel, IT-BHU, Varanasi, INDIA(221005).

Permanent Address: 499,Annapurna colony, Guna, madhya Pradesh, INDIA.

Phone: +91-9559782860,

Email: manish.raghuwanshi.app09@itbhu.ac.in , manishraghu757@gmail.com

Education Level	X standard	XII Std/ Dip./ Equivalent	1 st year (Sem 1)	1 st year (Sem 2)	2 nd year (Sem 3)	2 nd year (Sem 4)	3 rd year (sem 5)
Name of Board/ University	CBSE	CBSE	ITBHU	ITBHU	ITBHU	ITBHU	ITBHU
Simple Average Percentage/CGPA/Grade*	88.80%	80.04%	7.68/10	7.12/10	8.25/10	8.29/10	8.04/10

IIT JEE rank:5219 CGPA:7.88/10(ABSOLUTE GRADE) Department rank:3

Significant projects and work experience

- Developed software named “chat server” facilitating the students to chat on LAN in java.
- "Nonepitaxial Growth of Hybrid Core-shell Nanostructures with Large Lattice Mismatches" May-June 2011. Done at Bengal Engineering College and Science University, Kolkata; Under the guidance of Prof N.R.Bandyopadhyaya and Prof.Dr. Mallar Rai. Done “synthesis of Gold-silver nanostructure” at the nanomaterials laboratory of SMSE(BESU) synthesis of metallic using wet chemical methods followed by preliminary characterization using Spectroscopy, Photo-luminescence Spectroscopy and Scanning Electron microscopy.
- Done training at BHEL (BHOPAL) December 2010. visited every part of the BHEL and studied various aspects of Switch Gear engineering, Transformer Engineering and gas Power Plant division . Topics covered are: Tap Changer, TC Assembly, machine shop, fabrication,hydraulic testing of machine parts and working of boiler and mechanism. Made a project report on the above mentioned topics.
- Numerical Methods (3rd and 4th Semester IT-BHU): Developed C++ based Numerical Methods (*interpolation, extrapolation, numerical integration, matrix operations etc*).
- Done a project on Refrigeration and AC mechanism September 2010. At the hobby centre of IT-BHU studied about the various aspects and mechanism of refrigerator and AC.

Skills

Languages

- English, Hindi: Fluent.

Computing Skills

- OS: MS-DOS, Windows 98, XP, Vista, 7 and have worked on SUN Solaris and Linux (Ubuntu)
- Languages: C, C++, java and matlab (learning).
- Software Packages: MS Office, origin pro 8.5, net beans.
- Web Development: HTML, CSS, java script.
- theoretical computer science: Data structure, networking.
- others: Microsoft Power Point, Microsoft Excel, Dream-weaver

Courses Taken

- Linear Algebra 1
 - Probability and Statistics
 - Numerical Analysis
 - Analog Circuits and Systems
 - Power Transmission and Distribution
 - Mathematical Methods
 - Electronic Devices and Components
 - Digital Electronics
 - Quantum Physics (Including Matrix Mechanics and Perturbation theory)
 - Thermal Physics (with an introduction to Statistical Mechanics)
 - Engineering Mechanics
 - Fluid Dynamics
 - Electromagnetic Theory and Waveguides
 - Engineering Thermodynamics
-
- Numerical Methods (**3rd and 4th Semester, IT-BHU**): Developed C++ based programs for various Numerical Methods (*interpolation, extrapolation, numerical integration, matrix operations etc*).
 - Good experience in Optics, Electronics, Chemistry and Mechanics laboratory.

Courses Currently Studying

- Digital Electronics and microprocessors
- Data Structure
- Linear Algebra 2
- Semiconductor Device Physics
- Crystallography and Crystal Structure
- Physics of materials
- Space and Solar Physics

Labs :

- Data structure lab
- Digital Electronics lab
- Digital Communication lab
- Electrical Engineering lab

Other Examinations and Achievements

- Awarded Appreciation for being among the best all rounder of my school 2005-06.
- Selected in the top 1.3% of 400,000 (approx.) engineering applicants who took the Indian Institute of Technology, Joint Entrance Exam (IIT-JEE 2009).
- Ranked 2109 in AIEEE (2009) and ranked 206 in MP-PET(2009) .
- Ranked 3rd(state rank) in Mathematics Talent Search Examination conducted by PUTANI VIGNANA GROUP (Govt. of Karnataka).
- Participated in the **Green Olympiad** conducted by TERI.

Extra Curricular

- Captain of IT-BHU hockey team.
- Participated as a core team member of IT-BHU hockey team in spardha 2009 and 2010.
- Participated as a core team member of IT-BHU hockey team in BOSM (BITS PILANI) and UDGHOSH (IIT KANPUR).
- Played 2 times at regional level in hockey (as a member of school team of KV).
- Played state level in SOFT BALL.
- Completed TRITIYA SOPAN and Participated in RAJYAPAL PURUSKAR in Bharat Scouts and Guides.
- Participated in many debate and slogan competitions and won prizes at district level.
- Participated as a volunteer in the fine art section of Kashi Yatra 2010.
- Played Cluster level in football.

References

I. Dr. Mallar Rai
Assistant Professor
School Of Materials Science and Engineering
Bengal Engineering and Science university, Shibpur
Email:mallar.r@gmail.com

The certificates of above listed credentials will be produced on demand.