



ANKIT TIWARI
MASTER OF TECHNOLOGY
ENERGY SYSTEMS ENGINEERING
DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY (IIT) BOMBAY
Ph. D Pursuing (Thesis Submitted) INDIAN INSTITUTE OF TECHNOLOGY (IIT) INDORE

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OBJECTIVE

To obtain a challenging position that will enable me to learn and use my technical skills and aptitude in the entire functional career.

EDUCATION

July 2013-June 2015 *Master of Technology*
Energy Systems Engineering
Indian Institute of Technology (IIT) Bombay
July 2004-June 2008 *Bachelor of Technology*
Electrical and Electronics Engineering
IES IPS Academy, RGPV University

EDUCATIONAL STATUS

Degree	University/ Board	Percentage/CPI
M.TECH(Energy System Engineering)	IIT BOMBAY	7.62/10
B. E. (Electrical & Electronics Engineering)	RGPV Bhopal	75% (Hons.)
H.S.C.	M.P. Board	72%
S.S.C.	M.P. Board	79%

ACHIEVEMENTS AND AWARDS

Got First Prize in the 24H Non- Stop Entrepreneurship Challenge, 2017 (Bonjour-India) at IISER Pune.

Event outline: -

Co-organised by ANRT, Novancia Business School and Indian Institute of Science Education and Research (IISER), Pune, with the support of the French Embassy in India. The 24H Entrepreneurship Challenge, a 24-hour long competition for research students who wish to get an invaluable experience at setting up a business! From the initial idea to the business plan, teams of students will hone their business skills through action-training, experiencing decision making in a tight race against the clock to come up with the best start-up concept.

Visited France (22June- 2July 2018,fully funded program)

- Invited by F station Paris (Biggest incubator in world).
- Invited by SUEZ (largest solid waste company in France).
- Invited by EM-LYON Business School.
- Visited the Ariane Group

- Visited the ANRT (French National Association for Research & Technology)
- Visited the Centre de Recherche des Cordeliers (immunology)
- Visited the Biomérieux Marcy l'Etoile

Awarded Best Research Paper

Presented paper in International conference “Innovations in Clean Energy Technologies (ICET-2020) 27th-28th August, 2020 Organized by Energy Centre, Maulana Azad National Institute of Technology, Bhopal. Predicting Waste to Energy Potential and Estimating Number of Transfer Station based on Indore Waste Management Model: A case of Indian Smart Cities (**Springer Book Series**)

Awarded Best Research Paper

Presented paper in International Conference “First International Conference on Sustainable Infrastructure with Smart Technology for Energy and Environmental Management (FIC-SISTEEM-2020)”. Using Fuzzy Multiple Criteria Decision-Making for Selecting Private Firm for Waste Management PPP contract arrangement”.

(Accepted for Scopus indexed publication in IOP Conference Series: Materials Science and Engineering)

PUBLICATIONS

- Tiwari A., Sharma P. (2021) Predicting Waste to Energy Potential and Estimating Number of Transfer Station Based on Indore Waste Management Model: A Case of Indian Smart Cities. In: Baredar P.V., Tangellapalli S., Solanki C.S. (eds) Advances in Clean Energy Technologies. Springer Proceedings in Energy. Springer, Singapore. https://doi.org/10.1007/978-981-16-0235-1_51
- Tiwari, A., & Sharma, P. (2020, November). Using Fuzzy Based Multiple Criteria Decision Making for Selecting Private Firm for Waste Management PPP Contract Arrangement. In IOP Conference Series: Materials Science and Engineering (Vol. 955, No. 1, p. 012106). IOP Publishing.
- Tiwari, A., & Sharma, P. (2020). URBAN AREA REGENERATION: REDEFINING VARIABLES FOR INDORE CITY BY USING MCDM METHOD. Journal of Critical Reviews, 7(15), 6056-6067.
- Tiwari, A., & Mishra, N. (2017). Sustainable and smart city project: An overview of the application of multi criteria decision making techniques and approaches for Indian context. International Journal of Management and Applied Science, 3(7), 1-6.

COURSES ON EDUCATION TECHNOLOGY

- Introduction to Education Technology
- Foundation of Knowledge

M.TECH PROJECT

HYDROGEN STORAGE SYSTEM

Project Outline:-

SERIUS the Solar Energy Research Institute for India and the United States: - is co-led by the Indian Institute of Science (IISc)—Bangalore, India, and the National Renewable Energy Laboratory (NREL), Golden, Colorado, USA

Master of Technology thesis project

-Problem Statement: To simulate, design and fabricate a hydrogen storage system which will be integrated with unitized regenerative fuel cell.

MAJOR RESEARCH PROJECT (COURSE PROJECTS)

- Created policy documents for **Green Campus Initiatives** for IITB and “**Swachh Bharat Abiyan**” (*Clean India Mission*) newly launched by the Prime Minister’s Office (PMO) on 2nd October, 2014
- Economic Comparison of Hydrogen and Conventional Fuelled Buses for city Jaipur
- Energy Audit of Five Star Hotel Mehula The Fern (an Ecotel Hotel), Mumbai
- Brief study of Climate Change Studies of Rajasthan
- Study of Country Energy Balance of Germany
- Study of Climate change policy of Norway
- Study of LCA for LCD and LED bulb manufacturing industries

RESEARCH INTERESTS

- Solid Waste Management
- Integrated Renewable Energy Systems
- Environment Policy and Climate Change Policy
- Education Technology

B.E PROJECT

ENERGY AUDIT OF INDO GERMAN TOOL ROOM INDORE (M.P)

Project Outline:-

The project mainly concerns if there is any possibility of Energy Conservation.

TECHNICAL SKILLS

- Prior experience and knowledge of COMSOL Multi-physics
- Other software skills: MATLAB, PC1D, IECM and SEQUEL
- Knowledge of programming languages: C, C++,

PROFESSIONAL SUMMARY (TOTAL EXPERIENCE- 4 YEARS AND 5 MONTHS)

Professional Summary: (Total Experience- 4 Years and 5 months)

- Worked as Assistant Professor in “Oriental University Indore” during April 2011 to May 2013
- Worked as Junior Engineer in ”MPPKVVCL“(Electricity Board) during Oct, 2010 to March 2011
- Worked as Lecturer in Electrical Engineering Department of “LNCT Indore” during August, 2008 to September, 2010.

OTHER JOB PROFILE

- Worked as **Severt’s apparatus** at IIT Bombay
- Worked as **Glove Box operator** at IIT Bombay
- Worked as **Placement Coordinator** and **Admission Representative** of Electrical & Electronics at Oriental University Indore
- Worked as **Co-coordinator in Scholarship Section** of Oriental University Indore
- Worked as **Discipline Coordinator** at L.N.C.T. Indore (M.P.)

- Worked as **Class Coordinator** of Electrical & Electronics Engineering at L.N.C.T Indore (M.P.) for two years.
- Worked as **Admission Representative** of Electrical & Electronics Engineering at L.N.C.T Indore (M.P.) for two years.

EXTRA CURRICULAR

- Got second position in the “Copy a Scene” competition in PG cultural League 2013-2014
- Got Third position in the “Mad Ads” competition in PG cultural League 2013-2014
- Worked as Coordinator to organize a four day workshop on “Introduction to MATLAB and SIMULINK” in the Electrical and Electronics Department of LNCT Indore
- Worked as Judge of the technical festival “Yuvanah...2k10” held at Lakshmi Narain College of Technology, Indore.

INTERESTS AND HOBBIES

- **Singing**
- **Poetry**

PERSONAL DETAILS

- Date of Birth: 15 May 1986
- Father’s Name: Gyan Prakash Tiwari
- Language Known: English, Hindi

DECLARATION

The above given information is true to the best of my knowledge

Date:

Place: Indore

Ankit Tiwari
M.Tech (Energy Systems Engineering)
B.E. (Electrical & Electronics Engineering)