

Dipeshwor Man Shrestha

Address: Sanjibani Marga 135/26, Koteshwor, Kathmandu, Nepal
977-9802072528 (Cell) / 977-1-4412624 (Work) • dipeshwor@karkhana.asia • dipeshwor.com.np

SUMMARY

- Designer of integrated Science, Technology, Engineering, Arts and Math (STEAM) content.
- Educator with a commitment to hands-on education based on 21st century skills: Creativity, Collaboration, Communication and Critical Thinking.
- Team manager, mentor and motivator.
- Explorer of ways to integrate arts, music, technology and education.

EDUCATION

Kathmandu Shiksha Campus, Tribhuvan University

Bachelors in Education (1 year B.Ed.)

Kathmandu, Nepal
2015

- Major: Administration and Supervision

Institute of Engineering, Pulchowk Campus, Tribhuvan University

Bachelors in Electronics and Communication Engineering (B.E.)

Lalitpur, Nepal
2011

PROFESSIONAL EXPERIENCE

Karkhana

Cofounder

Kathmandu, Nepal
Dec 2012- present

Director at Karkhana Learning Labs

Feb 2014- present

- Core responsibilities include managing a teaching team of 8 teachers, designing and delivering content for middle school students, mentoring new teachers, instilling fresh ideas into the team and motivating the team.
- Completed a month long residency at Interactive Telecommunications Program (ITP) at New York University to study teaching methods at ITP and to exchange ideas on classroom practice.
- Facilitated a session as a part of Educate the Future, a 7 week graduate course at ITP, New York University.
- Presented a short paper titled "Closing the Gap in Computing Confidence in Middle School through Creative Computing" at Fab Learn 2015, Stanford University.
- Co-taught and led a weeklong service learning program in Kathmandu for Interactive Media Arts, NYU Shanghai undergraduate students.
- Designed and delivered 12 enrichment modules to middle school students.
- Collaborated with an international teacher in designing a Physical Science unit based on the Next Generation Science Standards.
- Designed a yearlong Science and Computing curriculum that aligns with the Nepal national curriculum.
- Trained 274 government school teachers in Dhading for "Nawa Marga: Post quake relief through education" in May 2015.

Micro Electrosoft Pvt. Ltd

Hardware Engineer

Kathmandu, Nepal
Feb 2011- Oct 2012

- Worked with a team of 3 engineers and 2 technicians to construct embedded system solutions like LED signs, Scrolling Message display, RFID attendance system, digital scoreboards, SMS based solutions and Queue Management systems.
- Trained 2 junior technicians on soldering techniques, etching Printed Circuit Boards, testing finalized circuits and assembling circuit boards.

ARTS CREATIVE

Yantra 3.0 Art-Science-Tech Festival

Artist/Engineer

Kathmandu, Nepal
November 2014

- Collaborated with artists on an interactive art installation: Mané, from inception to exhibition.
- Integrated an accelerometer and wireless Zigbee module with Arduino and Processing.
- Coordinated information flow between artists and engineers involved in the project.

Yantra 4.0 Art-Science-Tech Festival

Mentor/Teacher

Kathmandu, Nepal
December

2015

- Mentored three Karkhana students: Aarogya Rijal, Abhinav Khemka and Shreyan Parajuli (12-13 years of age) to create a multiplayer interactive game titled 'Homework: The Game'.
- Documented the students' work to include ideation, prototyping, testing, installation and exhibition.

OTHER WORKSHOPS AND TEACHING ACTIVITIES

- Trained two local teachers to conduct a making workshop for 30 village kids at Bumi Pemuda Rahayu (BPR), Indonesia.
- Conducted a making workshop for 40 kids at Singapore Science Center in 2014.
- Facilitated workshops on Design Thinking, Maker based education and Integrating 4 C's for 56 Teacher for Nepal fellows.
- Presenter at Maker Cities series at Shenzhen Maker Faire 2014.
- Presenter at Pecha Kucha Nights 2014 at Taragaon Museum, Kathmandu.
- Offered guitar lessons to underprivileged children through a program called Participation in Education (PIE).

ADDITIONAL EXPERIENCE

Karkhana Collective

Chief Herder

Lalitpur, Nepal
Aug - Oct 2012

- Organized weekly meetings and held discussions on how to shape the collective.
- Rounded people up and kept them motivated to keep working on the projects we undertook.

Monsoon Collective

Member

Kathmandu, Nepal
July 2012

- Assisted in mapping over 20 public transportation routes in Kathmandu and building a web app to access the information.
- Collaborated with engineers, artists and activists to develop a tool to visualize slums on a map of Kathmandu.

Robotics Club, Pulchowk Campus

Multimedia coordinator, RoboCup Nepal 2067

Lalitpur, Nepal
September 01, 2010

- Designed the multimedia interface to track the participant scores along with posters, brochures, tags, tickets and t-shirts
- Coordinated 20 volunteers for the smooth running of the event.

URL

Personal site: <http://dipeshwor.com.np/>

Karkhana blog: <http://www.karkhana.asia/stories/author/dipeshs/>