

**SRI VENKATESWARA COLLEGE OF ENGINEERING  
DEPARTMENT OF INFORMATION TECHNOLOGY**

**Report**

**Guest Lecture:**

Chief Guest : Dr. Karthik Pattabiraman  
Target Audience : IV Year IT 'A' & 'B', IV year CS 'B' & 'C'  
Venue : Function Hall  
Date & Time : 31.08.2017, 11 A.M -12 P.M

On the 31<sup>st</sup> of August 2017, Association of Information Technology(AIT) & Association of Computer Engineers(ACE) jointly organized a guest lecture on “**Research career** “ by Dr.Karthik Pattabiraman. He was introduced by Dr.V.Vidhya ,HOD i/c/IT. Dr. Karthik Pattabiraman is currently employed as associate professor,Department of Electrical and Computer Engineering at University of Columbia.

AIT President Ms. Hindhumathy delivered the welcome address. Dr V.Vidhya,HOD i/c/IT introduced the chief guest, an alumni of SVCE in the department of Information Technology to the gathering. She insisted the students of IT and CS department to take the chief guest as an inspiration and pursue their career in research .

Guest of honour started the lecture with the introduction of Research career. He spoke in detail about the pros and cons of pursuing research career. He also clarified about the various myths and facts about the research career. He made the session interactive by answering to the students who came up with doubts.

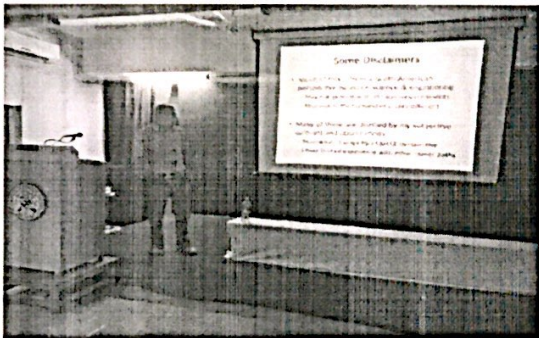
Ms. E.Rajalaksmi AP/CS, coordinator of ACE, delivered the vote of thanks. The session came to an end with the presenting of memento to the chief guest by Ms. Dr B.Thilaka Professor/AM .

After the session ended, the students of III year & IV year IT had a one to one interaction with our alumnus in the IT conference hall.

*K. H. use*  
AIT Coordinator 1/9/17

  
HOD i/c/IT

# MOMENTS FREEZED



## Profile of Mr. Karthik Pattabiraman

karthikp@ece.ubc.ca

- Mr. Karthik Pattabiraman is an **Associate Professor** of Electrical and Computer Engineering (ECE) at the University of British Columbia (UBC) in Vancouver, Canada .
- He completed his Bachelor of Engineering in the field of Information Technology from Sri Venkateswara College of Engineering in the year 2001.
- He received an MS in Computer Science from UIUC working with Dan Reed in the Pablo Group, from 2001 to 2004.
- He received PhD in Computer Science from the University of Illinois at Urbana-Champaign (UIUC) from 2004 to 2009
- He was awarded the UBC Killam Faculty Research Fellowship in 2016 (ece website), NSERC Discovery Accelerator Supplement (DAS) in 2015 (ece website), and the William Carter Award at DSN'08 .
- He is a member of the IFIP Working Group (WG) 10.4 on Dependable Computing and Fault-tolerance, and a member of the Steering committee of the IEEE Pacific Rim International Conference on Dependable Computing (PRDC).
- He regularly serve on the Program/Organizing Committees of conferences such as the IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), and IEEE International Symposium on Software Reliability Engineering (ISSRE).
- He is a Professional Engineer (P.Eng.), a Senior member of the IEEE, and a member of the ACM and Usenix.



SRI VENKATESWARA COLLEGE OF ENGINEERING  
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : IT

Name of the Speaker	: Karthik pattabiraman
Designation	: Associate professor
Institution/University/Organisation	: university of colombia
Mobile / E-mail	: karthikp@ece.ubc.ca
Title of the Lecture	: "Research careers"
Date	: 31/08/17
Time	: 11 AM - 12:00 PM
Venue	: Function hall.
Comments by the Speaker	:  Very good arrangements. Thanks
Suggestions for improvement	: Having VGA adapter connection to the podium
Signature of the Speaker	: P. Karthik

*K. R. Venkatesh*  
Signature of Coordinator 31/8/17

*P. Karthik*  
Signature of HOD ilc

## The Benefits Of and Paths to a Research Career



Karthik Pattabiraman  
University of British  
Columbia (UBC)  
<http://blogs.ubc.ca/karthik>

## Who am I (contd...) ?

- Along the way, spent some time in the following research labs
  - Los Alamos National Labs (intern and collaborator)
  - IBM Research US (intern and collaborator)
  - Microsoft Research US (intern, postdoc, etc.)
- Have also advised students who have gone on to research careers in industry and academia
  - Collaborated extensively with industry

## What this talk is about ?

- Research Careers – what are they ?
- Why you should (or should not) consider it ?
- How do you go about planning for one ?

Sri Venkateswara College of Engineering 2

## Some Disclaimers

- Much of this is from a North American perspective based on science & engineering
  - May not generalize to all countries/continents
  - Research in the humanities is very different
- Many of these are distilled by my subjective opinions and observations
  - Somewhat clouded by a CS/ECE perspective
  - I have limited experience with other career paths

## Who Am I ?

- Associate Professor of Electrical and Computer Engineering (ECE) at the **University of British Columbia (UBC)** since 2010
- Got my Masters and PhD from the **Univ. of Illinois at Urbana Champaign** in the US
- Did my undergrad at **SVCE** in IT, Batch of 2001

Sri Venkateswara College of Engineering 3

## Outline

- What's a Research Career (RC) ?
- Why you should (or should not) pursue a RC ?
- Myths and Realities of an RC
- Pathways to an RC

Sri Venkateswara College of Engineering 6

## Why pursue an RC ?

- Freedom to dive deep into a topic and become the world's leading expert on it
- You set the agenda for the most part – there's no "boss" to report to on a day-to-day basis
- You get to interact with like-minded peers who're all similarly focused on research

## Outline

- What's a Research Career (RC) ?
- Why you should (or should not) pursue a RC ?
- Myths and Realities of an RC
- Pathways to an RC

## Why NOT pursue an RC ?

- **Instant path to riches and wealth**
  - RCs pay decently at least in N. America and Europe, but you're unlikely to be on Forbes list of millionaires
  - You may end up starting the next Google or Facebook based on your research, but the odds of this happening are small, so don't bank on it
- **Your parents/social circle expects you to**
  - Need to be intrinsically motivated
- **You want to prove to yourself that you're smart**

## Myth #1

- Scientific research is a solitary profession and involves long hours grinding away in the lab/office



## What kind of person are you ?

- You like to go deep into problems and obsess about them until you solve them
- You care more about understanding and long-term results than short term ones e.g., marks
- You are self motivated, but you like bouncing ideas off like-minded peers and colleagues
- You don't mind uncertainty and not knowing the correct answer or whether one even exists

## Reality #1

- Research is a **highly interactive and social** profession
- Yes, sometimes you do need to grind away by yourself in the lab or office for long hours (but you often get to decide what those hours are)
- But then you get to share your results with a community of like-minded peers and interact with them at conferences and other venues



**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
Pennalur, Sriperumbudur Taluk - 602117

*ASSOCIATION OF INFORMATION TECHNOLOGISTS*  
&  
*ASSOCIATION OF COMPUTER SCIENCE ENGINEERS*

*solicit your esteemed presence for the*

*Special Talk*

*on*

**“Research Careers”**

**by**

**Dr. Karthik Pattabiraman**

Associate professor,  
Univ. of British Columbia  
Canada

<b>Venue</b>	<b>: Function Hall</b>
<b>Date</b>	<b>: 31<sup>st</sup> August 2017</b>
<b>Time</b>	<b>: 10.30 AM</b>



**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
Pennalur, Sriperumbudur Taluk - 602117

**AGENDA**

**DATE : 31.08.17**  
**TIME : 10.30 AM**  
**VENUE : Function Hall**

- ❖ **Introduction of Chief Guest**
- ❖ **Lecture by Chief Guest**
- ❖ **Vote of Thanks**





FT/GN/31A/00/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING  
Guest lecture on "Research Careers"  
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	ANISSHA.M
Branch/Semester/Section/Roll No.	B.Tech IT /IV/A/10
Industry/ Institution Visited	SUCE
Duration of Training/ Course with date	31/8/17
Plants visited during training	
Whether the training/Course was useful? In what way? Give reasons.	Yes, the training was so inspiring for the budding researchers.
Any other suggestions	
Report and Copy of Certificate submitted.	

*Anissa M*  
HOD i/c


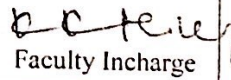
*Anissa M*  
Signature

*V. Venkateswara*  
Faculty Incharge 1/9/17

The person who has attended the course should prepare this in triplicate and submit copies to:  
A2, A3 and Dept.



SRI VENKATESWARA COLLEGE OF ENGINEERING  
GUEST LECTURE ON "RESEARCH CAREERS"  
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	VISHWANG R. SHAH
Branch/Semester/Section/Roll No.	B.Tech IT / IV / B / 96
Industry/ Institution Visited	SVCE
Duration of Training/ Course with date	31/8/17
Plants visited during training	-
Whether the training/Course was useful? In what way? Give reasons.	Yes, the talk was very informative and motivational to all students to pursue career in research.
Any other suggestions	Nil
Report and Copy of Certificate submitted.	
 HOD /c	 Faculty Incharge 1/9/17

The person who has attended the course should prepare this in triplicate and submit copies to:  
A2, A3 and Dept.

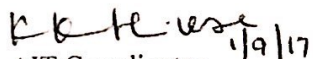
SRI VENKATESWARA COLLEGE OF ENGINEERING  
DEPARTMENT OF INFORMATION TECHNOLOGY

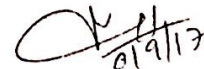
1/09/2017

Accounts settlement for the Guest Lecture on 31/08/2017

Transport Expenses - Rs. 1250  
Memento - Rs. 247  
Canteen - Rs. 200

Total Expenses - Rs. 1697/-

  
AIT Coordinator 1/9/17

  
HOD i/c IT