ME (SP) @ IISc
MASTER OF ENGINEERING
IN
SIGNAL PROCESSING

JOINTLY OFFERED BY
DEPARTMENT OF ELECTRICAL ENGINEERING &
DEPARTMENT OF ELECTRICAL COMMUNICATION ENGINEERING
INDIAN INSTITUTE OF SCIENCE, BANGALORE

ME (SP)
Are you interested in challenging the limits up to which microscopes can resolve? Are you interested in developing algorithms for reliable communication for low power sensor networks? Are you interested in giving machines the human-like ability to see and hear? Do you want to make machines learn? If yes, then the two-year ME (SP) program is for you.

Signals are all around us, and the ability to model, analyze and modify them is of importance in varied applications. The ME (SP) program is meant to be a rigorous training in the theory and practice of signal processing to equip you with skills to be at the cutting edge of signal processing. A graduate student is expected to achieve a substantial amount of academic maturity, through a commitment to mastering and self-motivation. Unlike undergraduate studies, the emphasis is on deeper understanding of challenging and interesting subjects. Past graduates of the ME (SP) program are doing exceedingly well in industry and academia both in India and abroad.

ACADEMIC PROGRAMME
The academic program involves both coursework and project work. The philosophy of the course work is to strengthen the core mathematical concepts of signal processing as well as to specialize in an area of interest. To cater to the first objective, the program offers core courses which need to be taken by all the students and to cater to the second objective, the students are offered a number of electives leading to an in-depth understanding of the chosen area.

PROJECT WORK
In the second year, students get to work on high quality projects in areas such as machine learning, medical imaging, image processing, speech processing, computer vision, sensor networks and compressed sensing. The training coupled with the experience of the faculty and excellent infrastructure lead to innovative technology development and publications in top tier international conferences. This exposure is also an excellent launch pad for pursuing a PhD in India or abroad.

PLACEMENT
Graduates get placed in top industries such as Ittiam, Texas Instruments, Broadcom, Seagate, Samsung, Xilinx, Imagination Technologies, Analog Devices, BEL, DRDO, Indian Railways, Intel, MuSigma, Ikanos communications, Emc2, SAP labs, Philips, Nvidia and Aricent.

FOR MORE DETAILS
http://www.ee.iisc.ernet.in/ME
http://www.ece.iisc.ernet.in/index.php/academics/degree-programs/me-signal-processing