



Indian Institute of Technology Bombay
PHD. ADMISSION (JULY/JANUARY 2018-2019)
Name : SHARMA AMIT KUMAR PANNALAL Sr. No. **PW4588105**
Registration No. RCS201810288

Ph.D. Programme in: Computer Science and Engineering

I am having Master's Degree in Engineering/Technology or equivalent degree with First class or 60% marks (55% marks for SC/ST) as described later in A.5.4.

1. Categories under which you want to apply				
i) TA -Institute Teaching Assistantship I fulfill 1 (i) General Eligibility criterion OR (ii) My result is awaited and I am uploading my latest/ previous semester mark-sheet. 2 (i) I am not working OR (ii) I certify that I am working and I will resigned from my post and submit the relieving letter at the time of joining.				
ii) RA -Research Assistant I fulfill 1 (i) General Eligibility criterion OR (ii) My result is awaited and I am uploading my latest/ previous semester mark-sheet. 2 (i) I am not working OR (ii) I certify that I am working and I will resigned from my post and submit the relieving letter at the time of joining.				
2.Birth Category GN	3.Person with Disability N	4. Date of Birth 10-5-1991	5.Gender Male	
6.(a) Address for postal communication: #306, Shree Raghunarayan Bld Wing A, Thakurli Station Road, Thakurli East City Thane State/Union territory Maharashtra Pin 421201				(b) Name & Address of Parent/ Guardian (i.e. Permanent Address) #306, Shree Raghunarayan Bld Wing A, Thakurli Station Road, Thakurli East City Thane State/Union territory Maharashtra Pin 421201
7. Telephone Number: (with STD code) 9555551613	Mobile No: 9555551613	E-mail Address: eds16m007@iiitdm.ac.in		
8a.GATE Score				
Regn. No. 16S42144088	GATE Year 2016	Gate Score 56 8.0	All India Rank (AIR) 582	

9. Areas of Research

1)	CS : Machine Learning and Information Retrieval
2)	CS : Real-Time, Embedded, Cyber Physical Systems
3)	SC : Robotics, Embedded control and Vision based Motion planning
4)	SC : Process control
5)	IE : Deep Learning

10.Academic Record**Qualifying Degree Details (will be used for processing application)**

Degree	Name of Degree	Branch/ Discipline/ Specialization	Name of University/ Institute	Mode of Programme	Month & Year of Passing/Result Awaited	% of marks /CPI / CGPA (on the scale of 10)	Class /Div
Qualifying degree	MTECH	EL	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING, KANCHEEPURAM	Regular (Full time)	July 2018	8.06/100	FII CL
Graduation	B.TECH	INSTRUMENTATION AND CONTROL ENGINEERING	UPTU	Regular (Full time)	July 2014	65.40/100	FII CL
XII	HSC	PCMB	MAHARASHTRA BOARD	Regular (Full time)	July 2008	59.6/100	SEC CL

11. Graduation project and Post Graduation thesis: Please bring copy of project and thesis at the time of Written test/Interview.

Title	University/ Institute	Supervisor
COLLISION DETECTION AND AVOIDANCE OF RAILWAY TRAFFIC USING 8051	UPTU	MS. KIMMI VERMA
DEVELOPMENT OF COGNITIVE SYSTEM OF AN PRINT DELIVERY MOBILE ROBOT USING MACHINE LEARNING	IIITDM KANCHEEPURAM	DR. S. R. PANDIAN

12. Papers details: Please bring copy of your paper at the time of Written test/Interview.

Paper	Year	Co-authors
NO Records found		

13. Employment Details (after acquiring the qualifying degree) :

Total Duration[in months]:6			
Organization	Designation	From Date	To Date
ERICSSON GLOBAL SERVICES CHENNAI	RESEARCH INTERN	DEC2017	MAY2018

14. Present Employment Status: Employed

Details of payment of application fee:

Transaction Ref. No.	1192369141161	Transaction Date	10-4-2018
Amount	300.0	Banker's Name	SBI Internet Banking

16. Declaration: I certify that the information given above is correct. I am fully aware that I must submit attested copies of my qualifying degree certificate / final transcripts on or before September 30, 2018 for (2018-2019) admission, failing which, my admission will stand cancelled. I am also aware that providing incorrect information in the application form can result in the cancellation of my admission at any stage.

Place CHENNAI **Date** 10-4-2018

Signature of the Applicant : *Sharma Amit- Kumar*

Attached Documents :

- 1 Qualifying Degree :
- 2 SOP for Computer Science and Engineering
- 3 SOP for Systems and Control Engineering



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING (IIITD&M) KANCHEEPURAM

GRADE SHEET - (JUL - NOV 2017)
Degree: M. Des Electronic Systems

Name: SHARMA AMIT KUMAR PANNALAL

Semester: 3

Roll: EDS16M007

Course	Title	Cat	Cr	Gr
DES601	DESIGN FOR QUALITY & RELIABILITY	PEC	5	C
INT602	SEMINAR	PEC	1	A
INT601A	MAJOR PROJECT-PART I	PEC	6	S

Cumulative Grade Point Average (CGPA) Summary							
Cat	BSC	BEC	PEC	HMC	PCD	DES	Total
Earned Credit	-	-	37	-	-	16	53
CGPA	-	-	7.78	-	-	8.69	8.06

Semester-wise Grade Summary				
Semester	I	II	III	IV
GPA	8	7.76	8.67	-
CGPA	8	7.88	8.06	-

Credit System (Cr)

Grade Points

S	10
A	9
B	8
C	7
D	6
E	4
U	0
W,I	0
H,L	0

U - Failure in the course
W - Failure due to insufficient attendance in course
I - Incomplete
H - Complete (P/F Courses)
L - Incomplete (P/F Courses)

Category (Cat)

BSC	Basic Science Courses
BEC	Basic Engineering Courses
PEC	Professional Engineering Courses
HMC	Humanities & Management Courses
PCD	Professional Career Development
DES	Design Courses

Date: 03 Apr 2018

Registrar

Statement of Purpose

PhD in Computer Science

Having done B.Tech in Instrumentation and Control Engineering and M.Tech in Electronic Design and System I got learn about working principles of Microcontrollers, Microprocessors, Embedded Systems, Signal Processing, Analog Devices and Circuits, Digital Devices and Circuits and Control Systems and Process Control. Proficiency in programming computer systems can help in developing smart robotic systems which is the need of the today's era. I am also working as a research intern in Ericsson Global Services, Chennai, India on Machine Learning algorithm like Supervised, Unsupervised and Reinforcement Learning for development of the cognitive system of a mobile robot. I have worked on A* algorithm for finding the shortest path between source and destination in the grid world environment making mobile robot as a finite state machine having some finite states of actions. I also worked on making a mobile robot to learn to go from a place to another place using greedy q-learning algorithm. I am also working on Image classification for Identification of the image using deep CNN and RNN for navigation of the mobile robot.

These are the works that drives my interest to get expertise in the field of computer science and its applications.