

KENDRIYA VIDYALAYA SANGATHAN
MUMBAI REGION

केन्द्रीय विद्यालय संगठन
मुम्बई सम्भाग



Java



INSERVICE COURSE

FOR

PGTs COMPUTER SCIENCE

(23-12-2009 to 01-01-2010)

VENUE :

KENDRIYA VIDYALAYA, GANESHKHIND
PUNE - 7

ORACLE ThinkQuest
EDUCATION FOUNDATION

KENDRIYA VIDYALAYA SANGATHAN
MUMBAI REGION



Report
Of
In-Service Course Phase-II
for PGTs Computer Science
(23-12-2009 To 01-01-2010)

Course Director

Mr. P. C. Shah
Principal, K.V. Bhusawal

Venue & Associate Director

Dr.(Mrs.) Kranti Kumar
Principal, K.V. Ganeshkhind, Pune-07

Resource Person

Mr V.K.Soni
PGT Comp.Sc.,
K.V. Ganeshkhind, Pune.

IT Expert

Mr. Sandeep Sharma
PGT Comp.Sc.
K.V. No. 1 Ahmednagar

KENDRIYA VIDYALAYA, GANESHKHIND
PUNE-411 007

Acknowledgements

Dr.(Smt.) Alka Bhargava, IFS
Commissioner, KVS New Delhi

1. Dr. U. N. Singh : Joint Commissioner (Acad.)
KVS, New Delhi
2. Shri. M. M. Joshi : Dy. Commissioner(Acad)
KVS , New Delhi
3. Shri P.R.L. Gupta : Asstt. Commissioner,
KVS, RO, Mumbai
4. Shri Shaik Mohammed : Director, KVS ZIET, Mysore
Saleem
5. Shri V. K. Agrawal : Director, KVS ZIET,
Mumbai
6. Shri S. K. Verma : EO, KVS(MR)
7. Shri Vasudev M. : EO, KVS(MR)
8. Mrs. A. P. Bhalla : EO, KVS(MR)

From the pen of the Course Director

The In-service course Phase-II for the PGTs Computer Science was conducted for the new recruits at Kendriya Vidyalaya, Ganeshkhind, Pune-07 from 23rd December 2009 to 01st Jan 2010. It was a conscious effort taken to train them into the system, facilitate them into their role as teachers and help them to find their right place in the organisation.

A teacher needs a lot of training, planning and committed work. In - service training programmes are regular events in KVS with an objective to make this happen through improving knowledge, skills and modifying attitudes. As far as this In-service course for PGTs Computer Science is concerned, it is unique, since it is a maiden experience for the participants. Secondly they are teachers who have handled Senior Secondary classes for almost last two sessions, experienced the classroom environment and enjoyed their job profile most of them without undergoing a professional course in teaching methodology.

In order to attain professionalism and improve their subject skills, efforts were made to enrich the content knowledge by interacting with the Principal of Adarsh B.Ed. College and Professors of Computer Science Deptt. of University of Pune .

To become familiar with the country wide unified objective of KVS, the group was brought closer to their organization with their interaction with the officers of KVS. They were also given an insight into KVS, NCF, Life skills, CBSE, NCERT, Comprehensive Evaluation, Think.quest, and such other activities closely associated with the KVS system.

In this course, an attempt has been made to develop a comprehensive training module which can serve as a teacher's tool to handle Computer Science / Informatics Practices subjects in XI and XII classes. During the course, participants were assigned following group works:

- Lesson plan and teaching aids in computer.
- HOTS chapter wise for class XI and XII computer Science
- Question Paper and Marking Scheme and Blue Print for IP for Class XI and XII (2 sets)
- Tips for maintenance and improvements of ICT infrastructure
- Home assignment and evaluation XI and XII Computer Science.
- Modules for Project Work Class XI and XII Computer Science.
- HOTS chapter wise for Class XI and XII IP.
- Question Paper and Marking Scheme and Blue Print for Computer Science for Class XI and XII(2 sets)
- Unit wise and chapter wise Question Answer for Computer Science and Informatics Practices for class XII

As the new technology has made easy access to a number of new tools, accelerating globalization and knowledge explosion the responsibility of promoting their use in schools lie on PGTs in Computer Science.

I congratulate the Resource Persons Mr. V.K.Soni, PGT(Comp. Sc.) KV, Ganeshkhind, Pune and IT expert Mr. Sandeep Sharma, PGT(Comp. Sc.),KV No.1,Ahmednagar for their invaluable assistance in successful completion of the course. I acknowledge the active participation of all the participants who have helped in preparation and compiling the manual of the In-service course

I express my deep sense of thanks and gratitude to Dr.(Mrs) Alka Bhargava, IFS Commissioner, KVS HQ., New Delhi, Shri P.R.L. Gupta, Assistant Commissioner, KVS, Mumbai Region and other officials of KVS,

Dr.(Mrs.) Kranti Kumar, Principal & Venue Director, KV Ganeshkhind, Pune and her active staff members for providing the resources and extending support and material to conduct this course at KV Ganeshkhind, Pune. I am also thankful to the guest lecturers from Deptt. of Computer Science Pune University and other Professionals for their valuable and effective lecture.

At the end, I am sure, through this comprehensive programme of 10 days the participants have been moulded as skilled teachers. , I sincerely hope that the knowledge and exposure they have gained during the course would enable them in scaling heights of excellence as teachers.

P.C.Shah
Course Director & Principal,
K.V. (O.F.) Bhusawal

From the Desk of the Venue Director...

The responsibility of conducting the In-service Course for PGTs Computer Science was entrusted on me and I feel honoured that Kendriya Vidyalaya, Ganeshkhind was chosen to be the venue for the same.

The main objective of the course was broadly divided into three domains – (i) acquainting the participants with the KVS system, CBSE and NCERT, and how to accomplish the vision and mission of KVS, (ii) the teacher as an INDIVIDUAL and subject expert to be a successful teacher, and (iii) the role of a teacher in society to initiate change and bring in transformation.

The world around us is changing rapidly and unless we keep pace with The changes, we will become laggards. "***A Burning candle can light the other lamp***". In the same manner, I strongly believe that, in this in-service course our teachers have been fully equipped with knowledge and skills, which are highly beneficial for them and in turn will benefit the children in their respective vidyalayas.

I sincerely acknowledge the lectures given by the stalwarts from the Department of Computer Science, University of Pune, etc. who provided deep insight on course materials, language & communication skills and life skills, which will certainly be beneficial for the participants who will make use of these in their class room situations.

I extend my sincere thanks to KVS, particularly Mr. P.R.L. Gupta, Assistant Commissioner, KVS, Mumbai Region and other officials for giving us opportunity to host this training course.

The programme has been a great success due to the meticulous execution of the planning by Shri P.C.Shah, Principal, K.V. OF, Bhusawal and Director of the Course along with his team of Resource Persons, namely, Shri V.K.Soni, PGT(Comp.Sc.), K.V.Ganeshkhind and IT Expert Shri Sandeep Sharma, PGT(Comp.Sc.), KV No.1, Ahmednagar. I express my hearty thanks to them for all the efforts they have taken. I also thank all the participants and their Principals and respective Asst. Commissioners for sparing their teachers for the training course.

I would like to thank Shri Anil Datar, Director,ARDE & Chairman, VMC, Dr. D.K.Kharat, Nominee Chairman, VMC, Major S.Singh,GE, Col. Ravichandran, Estate Manager and other members of VMC, and the teaching and non-teaching staff of KV,Ganeshkhind for their help and cooperation in conducting the course successfully.

**Dr. (Mrs.) Kranti Kumar
Venue Director & Principal
KV, Ganeshkhind, Pune-07**

Editorial Committee:

- ◆ **Dr. Ekanta Patel,**
PGT English, K.V. Ganeshkhind, Pune.
- ◆ **Mr. V. K. Soni, PGT Comp.Sc., K.V. Ganeshkhind, Pune.**

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- ◆ **Mrs. Abhilasha Athnere, PGT Comp.Sc., KV Rajgarh, Bhopal Region.**
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- ◆ **Ms. Anshu Sinha, PGT Comp.Sc. K.V. Kusmunda, Jabalpur Region.**
- ◆ **Mr. Shiv Kamal Singh, PGT Comp.Sc. KV Ambernath, Mumbai region**
- ◆ **Mr. Sibananda Swain PGT Comp.Sc. KV VF, Jabalpur, jabalpur Region.**
- ◆ **Mr. Kanhaiya PGT Comp. Sc. Rihandnagar., Patna Region.**

Published By:

Dr.(Mrs.) Kranti Kumar
Principal
K.V. Ganeshkhind, Pune.

TIME-TABLE (Inservice Course PGT Computer Sc.- II Spell) (23-12-2009 to 01-01-2010)

Day/ Time	9.00-9.15	9.15-10.45	10.45 11.00	11.00-12.00	12.00-13.00	13.00 14.00	14.00-15.00	15.00 16.00	16.00 - 16.15	16.15-17.30	
23/12/2009	Prayer/ Thought/ Report	Introudction & Inauguration	Tea Break	Group Work	Practice Teaching	Lunch Break	<-----Pre-test----->				
24/12/2009	Prayer/ Thought/ Report	Sh. P.C. Shah Course Director		Mr. NitinPatil, Lect. C.S. Pune Univ. (SQL & RDBMS)	Mr. Nitin Patil, Lect. C.S. Pune Univ. (SQL & RDBMS)		Practice Teaching CAL/TAL	Think Quest	Tea Break	Think Quest	
25/12/2009	Prayer/ Thought/ Report	General Area		Ms. Jaishree Java Professional	Ms. Jaishree Java Professional		Practice Teaching CAL/TAL	Think Quest		Think Quest	
26/12/2009	Prayer/ Thought/ Report	NCF-2005		Mr. Roger Nurse University of Pune (Data Structure) Stacks/Queues	Mr. Roger Nurse University of Pune (Data Structure) Stacks/Queues		Practice Teaching CAL/TAL	Practice Teaching CAL/TA L		Group Work	
27/12/2009	Prayer/ Thought/ Report	Sh. P.C. Shah Course Director (Automation of Exam. System)		Mr. Roger Nurse University of Pune (Data Structure) Stacks/Queues/Link List	Mr. Roger Nurse University of Pune (Data Structure) Stacks/Queues/Link List		Practice Teaching CAL/TAL	Practice Teaching CAL/TA L		Group Work	
28/12/2009	Prayer/ Thought/ Report	Specific Area		Mr. Amol Web site development & Web Server Hosting etc.	Mr. Amol (Web site development & Web Server Hosting etc.)		Practice Teaching CAL/TAL	Group Work		Group Work	
29/12/2009	Prayer/ Thought/ Report	Sandeep Sharma		Dr.(Mrs.) Lalita Vartak Principal Adarsh B.Ed. College, Pune (Teaching Methodology)	Dr.(Mrs.) Lalita Vartak Principal Adarsh B.Ed. College, Pune (Teaching Methodology)		Practice Teaching CAL/TAL	Group Work		Group Work	
30/12/2009	Prayer/ Thought/ Report	Specific Area		Ms. Jaishree Java Professional	Ms. Jaishree Java Professional		Practice Teaching CAL/TAL	Group Work		Group Work	
31/12/2009	Prayer/ Thought/ Report	Life Skills - Prinicpal Dr.(Mrs.) Kranti Kumar		Dr.(Mrs.) Lalita Vartak Principal Adarsh B.Ed. College, Pune (Teaching Methodology)	Dr.(Mrs.) Lalita Vartak Principal Adarsh B.Ed. College, Pune (Teaching Methodology)		<-----Post Test----->				
01/01/2010	Prayer/ Thought/ Report	Specific Area		Sh. P.C. Shah Course Director			Plenary Session			Valediction	

Venue Director
& Principal
K.V. Ganeshkhind.Pune-7

Course Director
& Principal
K.V. O.F. Bhusawal

INSERVICE COURSE FOR PGTs COMPUTER SCIENCE(2nd-Spell)
DATE: 23-12-2009 to 01-01-2010 VENUE: KV GANESHKHIND, PUNE
EMAIL & CONTACT NOS OF PARTICIPANTS

Sr. No.	Name of the teacher	Name of KV	Name of Region	Contact No.	Email ID
1	Mr. Anil Meena	K.V. 2, Army Bhuj	AHMEDABAD	9726156131	anilmeena1982@yahoo.com
2	Mr. Pradeep Choudhary	A'bad. Cantt	AHMEDABAD	9714589803	pradeep4ukvs@gmail.com
3	Mr RK Upadhyav	Naliya	AHMEDABAD	9998709933	ravindra7619@yahoo.co.in
4	Mr. Manish Parmar	Dantiwada	AHMEDABAD	9909450372	mannwithforever@gmail.com
5	Mr. Anand Kumar Meena	No.1,A'bad	AHMEDABAD	9714960969	a_kumar1010@yahoo.com
6	Mr. Y.B. Kholhe	Khandwa	BHOPAL	9422346994 8109114686	yogesh_kolhe97@yahoo.co.in
7	Ms. Monika Verma	Nepanagar	BHOPAL	9424895511	monikaverma6j@yahoo.co.in monikaverma6j@gmail.com
8	Ms. Abhilasha Athnere	Rajgarh	BHOPAL	9425659242	abhilasha.athnere@gmail.com
9	Ms. Pratibha Bhele	No.5 Gwalior	BHOPAL	9981540776	bhele_prat@yahoo.com
10	Mr V.K. Mehra	K.V.W.C.L.Chandrapur	BHOPAL	9021151650 9028388186	vishnumehra2004@gmail.com
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21	Mr. Shashank Jain	Port Blair No.1	KOLKATA	9933269011 9933269011	shashankjain.it@gmail.com
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28	Mr. Shiv Kamal Singh	K.V. Ambarnath	MUMBAI	9420612399	shivkamalsingh@yahoo.co.in
29.	Mr. Sachin Upadhyay	K.V. No. 1 GCF Jabalpur	JABALPUR	9926363889	upadhyaysachin10@yahoo.com

Resource Person : Mr. V.K.Soni, PGT(Comp.Sc.) K.V. Ganeshkhind,Pune-07 (09371406940) email: sonivijaysona@yahoo.co.in
I.T. Expert : Mr. Sandeep Sharma, PGT(Comp.Sc.) K.V. 1 Ahmednagar (9763073103) email : gudduisonline@yahoo.com

PROGRAM

DAILY REPORTS

Inservice Course for PGT Comp.Sc.(II-Phase)
Venue: K. V. Ganeshkhind, Pune-07
(23-12-2009 to 01-01-2010)

LIST OF GUEST LECTURES

Sr. No.	Date	Name of the teacher	Name of the Topic
1	24-12- 2009	Mr. NitinPatil, Lect. Comp.Sc. Univ. of Pune	SQL & RDBMS
2	25-12-2009	Ms. Jaishree Java Professional	Java Programming using Netbeans IDE
3	26-12-2009	Mr. Roger Nurse Lect. Comp. Sc. Univ. of Pune	Data Structure (Stack & Queues)
4	27-12-2009	Mr. Roger Nurse Lect. Comp. Sc. Univ. of Pune	Data Structure (Link List, Stack & Queues) Data File handling in C++
5	28-12-2009	Mr. Amol	Webside Development etc.
6	29-12-2009	Dr.(Mrs.) Lalita Vartak Principal, Adarsh B.Ed. College, Pune.	Teaching Methodologies
7.	30-12-2009	Ms. Jaishree Java Professional	Java Programming using Netbeans IDE
8.	31-12-2009	Dr.(Mrs.) Lalita Vartak Principal, Adarsh B.Ed. College, Pune.	Debate of Advantages of Inservice course

Venue Director
& Principal
K.V. Ganeshkhind,Pune-7

Course Director
& Principal
K.V. O.F. Bhusawal

Photos

INSERVICE COURSE PGT COMP.SC. (PHASE-II)

PRACTICE DEMO LESSON / EXPERT LESSON SCHEDULE

Sr. No.	Name of the teacher	Name of KV	Name of Region	TOPIC FOR DEMO LESSON	Date
1	Shri Anil Meena	Army Bhuj	AHMEDABAD	Networking Concepts	28/12/2009
2	Shri Pradeep Chaudhary	A'bad. Cantt	AHMEDABAD	Data File Handling in C++	26/12/2009
3	Shri RK Upadhyav	Naliya	AHMEDABAD	Data Structure	27/12/2009
4	Shri Manish Parmar	Daniwada	AHMEDABAD	User Defined Function	26/12/2009
5	Shri Anand kumar Meena	No.1,A'bad	AHMEDABAD	Inheritance	28/12/2009
6	Shri Y.B. Kolhe	Khandwa	BHOPAL	Cursor	30/12/2009
7	Ms Monika Verma	Nepanagar	BHOPAL	Trigger	29/12/2009
8	Ms Abhilasha Athnere	Rajgarh(Biaora)	BHOPAL	Trigger/Cursor/Procedure	29/12/2009
9	Ms Pratibha Bhele	No.5 Gwalior	BHOPAL	Queue/Link List	29/12/2009
10	Shri V.K. Mehra	Chandrapur	BHOPAL	Procedure	31/12/2009
11	Shri Harish Kumar Sharma	K.V 1 STC JABALPUR	JABALPUR	Network Communications	30/12/2009
12	Shri V.C.Chaurasiya	Raigarh	JABALPUR	k-Map	27/12/2009
13	Shri Sibanand Swain	V FJABALPUR	JABALPUR	Random Functions	27/12/2009
14	Shri Nishant Kishnawa	Baikunthpur	JABALPUR	K-Map / Logic Gates	29/12/2009
15	Shri Nitin Rathore	Sidhi	JABALPUR	Arrays	30/12/2009
16	Shri Abhishek Arya	Singrauli	JABALPUR	Comp. Lab Management	26/12/2009
17	Ms. Anshu Sinha	Kumunda Korba	JABALPUR	Arrays	28/12/2009
18	Shri Om Prakash	Berhampore	KOLKATA	Structured Query Language	31/12/2009
19	Shri Rakesh Kumar	Durgapur CMERI	KOLKATA	Infix & Postfix	28/12/2009
20	Shri S.K. Ijardar	Durgapur (CRPF)	KOLKATA	Swing Controls	29/12/2009
21	Shri Shashank Jain	Port Blair No.1	KOLKATA	Joins in SQL	31/12/2009
22	Shri V. Khatri	Burdwan	KOLKATA	Data File Handling in C++	28/12/2009
23	Shri CP Meena	NRC Nasik	MUMBAI	Object Oriented Programming	29/12/2009
24	Shri PR Golia	MIRC A'nagar	MUMBAI	Control Structure	29/12/2009
25	Mrs.Savita Sharma	Ojhar, Nasik	MUMBAI	PL-SQL/Procedure/Function	30/12/2009
26	Shri Veer Ranjan	Ballia	PATNA	Stacks	31/12/2009
27	Shri Kanhaiya	Rihandnagar	PATNA	Controls in Visual Basic	30/12/2009
27	Shri S. Upadhyay	KV 1 Jabalpur	JABALPUR	How to score more marks	28/12/2009
29	Shri Shivkamal	KV Ambernath	MUMBAI	Flow of Control	31/12/2009

Dr.(Mrs.) Kranti Kumar
Venue Director

P.C. Shah
Director

INSERVICE COURSE FOR PGTs COMPUTER SCIENCE

DATE: 23-12-2009 to 01-01-2010

VENUE: KV GANESHKHIND, PUNE

LIST OF PARTICIPANTS FOR GROUP WORK

S.No	Group	Name	KV	Group Work
1	I (PC1,2)	Mr. Anil Meena	Army Bhuj	Lesson Plan & Teaching aid in Computers
2		Mr. Veer Ranjan	Ballia	
3		Mr. Kanhaiya	Rihandnagar	
4	II (PC 3,4,5)	Mr.Pradeep Chaudhary	A'bad. Cantt	HOTS Chapter wise XI & XII CS
5		Mr. Sibanand Swain	V F Jabalpur	
6		Mr.Nishant Kishnwa	Baikunthpur	
7	III (PC 23,24,25)	Mr. PR Golia	MIRC A'nagar	QP, MS, BP for IP XI & XII (2Sets)
8		Mr. V.C.Chaurasiya	Raigarh	
9		Mr. Abhisek Arya	Singrauli	
10	IV (12,13)	Mr. S.K. Ijardar	Durgapur (CRPF)	TIPS for maintenance & improvement of ICT
11		Mr. Y.B. Kholhe	Khandwa	
12		Mr. CP Meena	NRC Nasik	
13	V (PC 6,7,8)	Mr V.K. Mehra	Chandrapur	Home assignment & Evaluation XI & XII CS
14		Mr. RK Upadhyav	Naliya	
15		Mr. Manish Parmar	Daniwada	
16	VI (PC 9,10,11)	Mr. Harish K Sharma	K.V 1 STC Jabalpur	Modules for Project work XI & XII CS
17		Mr. Shivkamal	KV Ambernath	
18		Mr. Sachin Upadhyay	KV GCF jabalpur	
19	VII (PC 14,15,16)	Mr. Nitin Rathore	Sidhi	HOTS Chapter wise XI & XII IP
20		Mr. Shashank Jain	Port Blair No.1	
21		Mr. V. Khatri	Burdwan	
22	VIII (PC 17,18,19)	Mr. .Anand Kumar Meena	No.1,A'bad	QP, MS, BP for CS XI & XII (2Sets)
23		Mr. O.M. Prakash	Berhampore	
24		Mr. Rakesh Kumar	Durgapur CMERI	
25	IX(PC 20,21,22)	Ms Monika Verma	Nepanagar	Unit wise Q/A for low achievers for CS & IP
26		Ms. Abhilasha Athnere	Rajgarh	
27		Ms. Pratibha Bhele	No.5 Gwalior	
28		Ms. Anshu Sinha	Kusmunda Korba	
29		Ms. Savita Sharma	Ojhar	

Group Work

Duties and Responsibilities of PGT(Computer Science)