INFRASTRUCTURE REQUIREMENT FOR CAL-C SOFTWARE CENTRE

Sr No	Infrastructure Requirement	A	B & C	D
1	**Area**	Minimum covered area **1500 sq ft** **Class Room : 02 Nos** **Labs : 02 Nos** **Counselling Area** **Office Area** **Library Area** Total : **1500 Sq ft**	Minimum covered area **1200 sq ft** **Class Room : 01 No** **Labs : 01 Nos** **Counselling Area** **Office Area** **Library Area** Total : **1200 Sq ft**	Minimum covered area **1000 sq ft** **Class Room : 01 Nos** **Labs : 01 No** **Counselling Area** **Office Area** **Library Area** Total : **1000 Sq ft**
		Seating Capacity : Min 15-20 in one class room	Seating Capacity : Min 15-20 in one class room	Seating Capacity : Min 15-20 in one class room
		Seating Capacity : Min 15-20 in one Lab	Seating Capacity : Min 15-20 in one Lab	Seating Capacity : Min 15-20 in one Lab
2	**No. of Computers**	Minimum12 Nos. **All PC's above Pentium IV**	Minimum10 Nos. **All PC's above Pentium IV**	Minimum 8 Nos. **All PC's above Pentium IV**
	Networking	All Pcs to be Networked	All Pcs to be Networked	All Pcs to be Networked
	Printer	Min : 02 Printers (All in One Printer : 01)	Min : 01 Printer (All in One Printer : 01)	Min : 01 Printer (All in One Printer : 01)
3	**Software**	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses
4	**Library**	Minimum 50 nos. of books on Software & developing	Minimum 30 nos of books on Software & developing	Minimum 25 nos of books on Software & developing

5	Desired qualification of promoter	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E / MCA / MBA / Post Graduate / Graduate /Diploma in computers Or Three year diploma in electronics and communication / Computer Science
6	Desired Experience	Experience in IT/ Non-IT	Experience in IT/ Non-IT	Experience in IT/ Non-IT
7	Investment Required (Inclusive of Recurring expenses for one year) License fee for three years	Approximately **7.90 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **6.55 Lacs** **(LF for B Category is 0.75 LF for C Category is 0.60)** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **5.10 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)
		Rs/Lacs **Fixed Expenses** License fee : 1.00 Computers : 1.50 Furniture : 1.50 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.50 Rent+Elect : 1.50 Misc (Books,tele etc) : 0.40 -------- Total : **7.90**	**Rs/Lacs** **Fixed Expenses** License fee : 0.75 Computers : 1.25 Furniture : 1.25 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.25 Rent+Elect : 1.25 Misc (Books,tele etc) : 0.30 -------- Total : **6.55**	**Rs/Lacs** **Fixed Expenses** License fee : 0.30 Computers : 1.00 Furniture : 1.00 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.00 Rent+Elect : 1.00 Misc (Books,tele etc) : 0.30 -------- Total : **5.10**
	Faculty	Minimum Two (for new centre) Full time employee	Minimum Two (For New Centre) Full Time Employee	Minimum Two (For New Centre) Full Time Employee
		B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced faculty is required)	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced faculty is required)	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced faculty is required)
9	Other Staff	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)

		Helper Helper : one	**Helper** Helper : one	**Helper** Helper : one
10	**Staff Teacher Ratio**	01:20	01:20	01:20
11	**Maximum batch size**	25students	20 students	20 students
12	**Internet Connection**	Required	Required	Required
13	**Power Back up**	Generator 5 KVA	Generator 5 KVA	Generator 5 KVA
14	**Teaching Aid**	LCD Projector	LCD Projector	LCD Projector
15	**CCTV Camera**	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)

INFRASTRUCTURE REQUIREMENT FOR HARDWARE CENTRE

Sr No	Infrastructure Requirement	A	B & C	D
1	Area	Minimum covered area **1500 sq ft** **Class Room : 02 Nos** **Labs : 02 Nos** **Counselling Area** **Office Area** **Library Area** Total : **1500 Sq ft**	Minimum covered area **1200 sq ft** **Class Room : 01 No** **Labs : 01 Nos** **Counselling Area** **Office Area** **Library Area** Total : **1200 Sq ft**	Minimum covered area **1000 sq ft** **Class Room : 01 Nos** **Labs : 01 No** **Counselling Area** **Office Area** **Library Area** Total : **1000 Sq ft**
		Seating Capacity : Min 15-20 in one class room	Seating Capacity : Min 15-20 in one class room	Seating Capacity : Min 15-20 in one class room
		Seating Capacity : Min 15-20 in one Lab	Seating Capacity : Min 15-20 in one Lab	Seating Capacity : Min 15-20 in one Lab
2	No. of Computers	Minimum12 Nos. **All PC's above Pentium IV**	Minimum10 Nos. **All PC's above Pentium IV**	Minimum 8 Nos. **All PC's above Pentium IV**
	Networking	All Pcs to be Networked	All Pcs to be Networked	All Pcs to be Networked
	Printer	Min : 02 Printers (All in One Printer : 01)	Min : 01 Printer (All in One Printer : 01)	Min : 01 Printer (All in One Printer : 01)
3	Software	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses	Windows : Latest Version MS Office : 2010 or Higher Other Softwares: As per courses
	Hardware	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO

		Tool kit (5) Minimum 01 set for every 25 students Dual Trace	Tool kit (5) Minimum 01 set for every 25 students Dual Trace	Tool kit (5) Minimum 01 set for every 25 students Dual Trace
4	**Library**	Minimum 50 nos. of books on Software & developing	Minimum 30 nos of books on Software & developing	Minimum 25 nos of books on Software & developing
5	**Desired qualification of promoter**	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E / MCA / MBA / Post Graduate / Graduate /Diploma in computers Or Three year diploma in electronics and communication / Computer Science
6	**Desired Experience**	Experience in IT/ Non-IT	Experience in IT/ Non-IT	Experience in IT/ Non-IT
7	**Investment Required (Inclusive of Recurring expenses for one year) License fee for three years**	Approximately **7.90 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **6.55 Lacs** **(LF for B Category is 0.75 LF for C Category is 0.60)** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **5.10 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)
		Rs/Lacs **Fixed Expenses** License fee : 1.00 Computers : 1.50 Furniture : 1.50 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.50 Rent+Elect : 1.50 Misc (Books,tele etc) : 0.40 -------- Total : **7.90**	**Rs/Lacs** **Fixed Expenses** License fee : 0.75 Computers : 1.25 Furniture : 1.25 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.25 Rent+Elect : 1.25 Misc (Books,tele etc) : 0.30 -------- Total : **6.55**	**Rs/Lacs** **Fixed Expenses** License fee : 0.30 Computers : 1.00 Furniture : 1.00 Teaching Aid : 0.50 **Recurring Expenses** Salary to staff : 1.00 Rent+Elect : 1.00 Misc (Books,tele etc) : 0.30 -------- Total : **5.10**
	Faculty	Minimum Two (for new centre) Full time employee	Minimum Two (For New Centre) Full Time Employee	Minimum Two (For New Centre) Full Time Employee
		B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC (For PGDCA Course, Experienced

		faculty is required)	faculty is required)	faculty is required)
9	**Other Staff**	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)	Counsellor Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required)
		Helper Helper : one	**Helper** Helper : one	**Helper** Helper : one
10	**Staff Teacher Ratio**	01:20	01:20	01:20
11	**Maximum batch size**	25students	20 students	20 students
12	**Internet Connection**	Required	Required	Required
13	**Power Back up**	Generator 5 KVA	Generator 5 KVA	Generator 5 KVA
14	**Teaching Aid**	LCD Projector	LCD Projector	LCD Projector
15	**CCTV Camera**	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)	Min : 04 nos (Covering Lab, Theory Room, Office & Counsellor area)

INFRASTRUCTURE REQUIREMENT FOR CAL-C (SOFTWARE & HARDWARE COURSES)

Sr No	Infrastructure Requirement	A	B & C	D
1	Area	Minimum covered area **2200 sq ft** Class room 1 : 300 sq ft Class room 2 : 300 sq ft Software lab : 300 sq ft Hardware lab : 300 sq ft Network lab : 300 sq ft Mobile Lab : 100 sq ft Counselling area : 150 sq ft Library : 150 sq ft Staff room : 120 sq ft Office area : 150 sq ft Toilet* : 30 sq ft ------------ Total : **2200 Sq ft**	Minimum covered area **1800 sq ft** Class room 1 : 300 sq ft Class room 2 : 200 sq ft Software lab : 300 sq ft Hardware lab : 250 sq ft Network lab : 250 sq ft Mobile Lab : 100 sq ft Counselling area : 150 sq ft Library : 120 sq ft Office area : 100 sq ft Toilet* : 30 sq ft ------------ Total : **1800 Sq ft.**	Minimum covered area **1500 sq ft** Class room 1 : 200 sq ft Class room 2 : 200 sq ft Software lab : 350 sq ft Hardware + NW lab : 350sq ft Mobile Lab : 100 sq ft Counselling area : 150 sq ft Office area : 100 sq ft Toilet* : 30 sq ft Misc : 20 sqft ------------ Total : **1500 Sq ft.**
		With 20-25 chairs / white board Repair bench 2 ½ x as per Length of LAB & Stool 6 Computer Desk with Necessary fitting in one lab	With 20-25 chairs / white board Repair bench 2 ½ x as per Length of LAB & Stool 5 Computer Desk with Necessary fitting in one lab	With 20-25 chairs / white board Repair bench 2 ½ x as per Length of LAB & Stool 4 Computer Desk with Necessary fitting in one lab
2	No. of Computers	Minimum 20 Nos.(Pentium IV 10 Nos, Rest PCs (Equivalent Speed of PIV) : 10 Nos) Networking via switch is must between PCs & Seperate Server with latest configuration is to be installed at centre.	Minimum15 Nos.(Pentium IV 10 Nos, Rest PCs (Equivalent Speed of PIV) : 05 Nos) Networking via switch is must between PCs & Seperate Server with latest configuration is to be installed at centre.	Minimum 12 Nos.(Pentium IV 8 Nos, Rest PCs (Equivalent Speed of PIV) : 04 Nos) Networking via switch is must between PCs & Seperate Server with latest configuration is to be installed at centre.
		(Configuration of PCs) Latest C2D/DC/Pentium IV/AMD Athlon & above with 512 MB RAM / 1.44 FDD 80 GB + HDD/ 101 KEY KB 15 " MONITOR / CD ROM / SPK/ 10x100 LAN card, Backup Drives Server with latest configuration to be installed Router/peripherals/other devices to be installed as per the requirement of courses	(Configuration of PCs) Latest C2D/DC/Pentium IV/AMD Athlon & above with 512 MB RAM / 1.44 FDD 80 GB + HDD/ 101 KEY KB 15 " MONITOR / CD ROM / SPK/ 10x100 LAN card, Backup Drives Server with latest configuration to be installed Router/peripherals/other devices to be installed as per the requirement of courses	(Configuration of PCs) Latest C2D/DC/Pentium IV/AMD Athlon & above with 512 MB RAM / 1.44 FDD 80 GB + HDD/ 101 KEY KB 15 " MONITOR / CD ROM / SPK/ 10x100 LAN card, Backup Drives Server with latest configuration to be installed Router/peripherals/other devices to be installed as per the requirement of courses

3	Software	Windows Xp/ NT / 2000 /Linux/MS Office (Additional requirement of Software as per the courses offered by CAL-C)	Windows Xp/ NT / 2000 /Linux/MS Office (Additional requirement of Software as per the courses offered by CAL-C)	Windows Xp/ NT / 2000 /Linux/MS Office (Additional requirement of Software as per the courses offered by CAL-C)
4	Library	Minimum 75 nos. of books on Software & developing, Hardware , Networking , Chip Level & Mobile repair courses	Minimum 50 nos. of books on Software & developing, Hardware , Networking , Chip Level & Mobile repair courses	Minimum 50nos. of books on Software & developing, Hardware , Networking , Chip Level & Mobile repair courses
5	Desired qualification of promoter	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E. / MCA / MBA / Post Graduate / Graduate / Diploma in computers or Three year diploma in electronic and communication / Computer Science	B.E / MCA / MBA / Post Graduate / Graduate Diploma in computers Or Three year diploma in electronics and communication / Computer Science
6	Desired Experience	Two year relevant experience	Two year relevant experience	Two year relevant experience
7	Investment Required (Inclusive of Recurring expenses for one year) License fee for three years	Approximately **12.10 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **9.70 Lacs** **(LF for B Category is 0.75 LF for C Category is 0.60)** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)	Approximately **7.45 lacs** (Annual Joint Advertisement Contribution to be paid as per the contribution criteria laid down by Punjab Infotech)
		Rs/Lacs **Fixed Expenses** License fee : 1.50 Computers : 2.50 Furniture : 2.00 Teaching Aid : 0.50 Trainer Kits, CR0 : 0.40 Mobile Lab : 0.30 **Recurring Expenses** Salary to staff : 2.50 Infrastructure + Rent+Elect : 2.0 Misc (Books,tele etc) : 0.40 -------- Total : **12.10**	**Rs/Lacs** **Fixed Expenses** License fee : 1.20 Computers : 2.00 Furniture : 1.50 Teaching Aid : 0.50 Trainer Kits, CR0 : 0.40 Mobile Lab : 0.30 **Recurring Expenses** Salary to staff : 2.00 Infrastructure + Rent+Elect : 1.50 Misc (Books,tele etc) : 0.30 -------- Total : **9.70**	**Rs/Lacs** **Fixed Expenses** License fee : 0.45 Computers : 1.50 Furniture : 1.25 Teaching Aid : 0.50 Trainer Kits, CR0 : 0.40 Mobile Lab : 0.30 **Recurring Expenses** Salary to staff : 1.50 Infrastructure + Rent+Elect : 1.25 Misc (Books,tele etc) : 0.30 -------- Total : **7.45**
8	Faculty	Minimum Three for Hardware courses & software courses (for new centre) Full time employee	Minimum Three for Hardware courses & software courses (for new centre) Full time employee	Minimum Two for Hardware courses & software courses (for new centre) Full time employee

		B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC. and For short term Certification Course in the faculty may be BCA/ PGDCA with proficiency in particular subject Teaching Experience of three years is compulsory for PGDCA course For Hardware Courses Faculty must have experience in teaching electronics , Networking courses.	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC. and For short term Certification Course in the faculty may be BCA/ PGDCA with proficiency in particular subject Teaching Experience of three years is compulsory for PGDCA course For Hardware Courses Faculty must have experience in teaching electronics , Networking courses.	B.E. / M.C.A. or 'B' level of DOEACC or equivalent. or Support faculty should have at least M.Sc.(Electronics/ Computer) / degree/ 3 years Diploma from Govt recognized Institution or Advanced diploma or equivalent of CAL-C/ 'A' level of DOEACC. and For short term Certification Course in the faculty may be BCA/ PGDCA with proficiency in particular subject Teaching Experience of three years is compulsory for PGDCA course For Hardware Courses Faculty must have experience in teaching electronics , Networking courses.
9	Other Staff	Counsellor Helper	Counsellor Helper	Counsellor Helper
		Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required) Helper : one Matric	Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required) Helper : one Matric	Counsellor : One Graduate with knowledge of computer operations and well in communication skills (Initial Training required) Helper : one Matric
10	Staff Teacher Ratio	01:20	01:20	01:20
11	Maximum batch size	25students	20 students	20 students
12	Internet Connection	Required	Required	Required
13	Power Back up	Generator 5 KVA	Generator 5 KVA	Generator 5 KVA
14	Teaching Aid	LCD Projector	LCD Projector	LCD Projector
15	Trainer Kits	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO Tool kit (5) Minimum 01 set for every 25 students	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO Tool kit (5) Minimum 01 set for every 25 students	➢ Discrete Trainer Board ➢ Digital Trainer Board ➢ SMPS trainer board ➢ Bread Board Trainer kit ➢ CRO Tool kit (5) Minimum 01 set for every 25 students
16	CRO	Dual Trace	Dual Trace	Dual Trace
17	Mobile Lab	As per the course ware	As per the course ware	As per the course ware