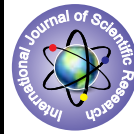


Computer Network Skills and Job Opportunities in the Arena



Computer Science

KEYWORDS : NCC-Network Certification course, KS-Key Skills, NT-Network Technology

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ABSTRACT

This research paper highlights on the realities in network skills and job opportunities in the arena. This article is an outcome of review taken from a Network Certification Course in a regional institute and its associated branches. The data used in this process is real one & explained as a collective effort on relation between the computer network knowledge, skills and job opportunities in arena. A reference framework applied on a network technology is fast growing branch of IT industries.

Introduction:

Network technology is one of the developing branches Computer Science. As there is a need of experts to handle the complexities involved, the major problems and concept is how to have security. Our research outcomes are associated with process include elective course in network and technical skills of networking i.e. software and hardware. This course fulfill basic requirement of networking knowledge. The initial focus of this program was to find out, identify critical job skills for NT through IT professional jobs description and job opportunities in network and arena. Design and redesign decisions could be majorly rational and effectiveness through accurate information and related search. Actual information about job recruitment, placement rates for graduates with NT skill students This information also state that IT job trends are useful for aligning curriculum with the job in IT industries.

A significant number of our incoming graduate has uncomfortable in communication and also deep knowledge in NT. Therefore, a primary focus in developing networking skills for getting employment or recruitment in the IT industries and arena.

"Attractiveness" of this program is not only enrollment of a student but also getting high skill development in networking and related arena. To increase student enrollment to the program, the group identifies NT certification like CCNA, CCNP offering student internship and co-op program, new technical skill updates and

recruitment strategies as important steps in follow through.

The process involve from an initial focus on the graduates with certificate course holder in NT getting job in the same arena or in IT industries. Task against the faculty were to look for job

Position in IT and to identify knowledge and skills competencies suitable for the students. This effort gives resulted in divergent thinking on jobs deemed suitable for graduates students non engineering faculty but certificate course in NT and arena.

Data Methodology:

Above discussion on the job opportunities in IT industries organized in sequence, IT job skills and IT industry trends, IT program orientation, alignment of program with job available in market and conclusion about the process.

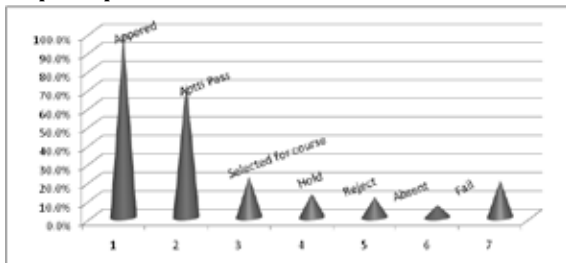
Sequence of the process:

- Actual talent of student
- Admit for course
- Actual getting or grasping power to getting skill of networking and related subject.
- Job availability in IT industries for networking
- Actual selection on base
- Approached companies
- Reasons behind rejection of students, weakness.
- Ratio of jobs and skilled candidates

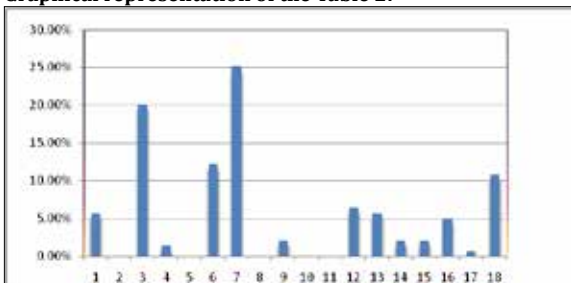
Table 1: Graduate Students Selected For Comp. Networking and Related Arena

Sr.No	Name Or Location Of College	Seminar Attended	1	2	3	4	5	6	7
			Aptitude Test Appeared	Aptitude Test Passed	Selected For Course	Hold	Reject	Absent	Fail
1	Radhanagari	107	107	18	3	3	2	9	80
2	Solankur	24	24	19	5	3	3	0	5
3	Bhogawati	157	157	114	15	9	1	20	23
4	Sarud	46	46	41	12	6	5	0	5
5	Malkapur	101	101	71	10	5	0	2	28
6	Shahaji, KOP	54	54	42	20	15	7	3	9
7	Kamala, KOP	33	33	33	20	8	5	0	0
8	Peth Vadgaon	86	86	68	16	14	11	5	13
9	Shahu, KOP	64	64	48	17	7	5	4	12
10	Hatakangle	55	55	54	32	12	10	0	1
11	J. C. College Jaysingpur	130	130	115	33	16	13	4	11
12	Miraj	49	49	37	12	15	10	6	6
13	K.B.P. Islampur	102	102	76	23	14	16	9	17
14	B. A. Pethvadgaon	38	38	17	3	3	2	5	16
15	Y.C. Islampur	82	82	65	15	12	12	7	10
16	Arp Ialkaranji	60	60	49	16	10	15	3	8
17	K.B.P. Islampur	32	32	26	10	7	5	2	4

18	S.K. Patil Kurundwad	60	60	52	18	7	17	6	2
19	Malati Patil Islampur	80	80	50	21	10	10	7	23
20	Total	1360	1360	995	301	176	149	92	273
	Result In %	100.00	100.0	73.2	22.1	12.9	11.0	6.8	20.1

Graphical presentation of Table 1:**Table 2: Primary Job Focus of Graduates, Company Certified employee in Arena**

Sr. No.	Vacancies Name	Students select for post	In Percentage Joining
1	Network Engineer	8	5.76%
2	Hardware & Network Engineer	0	0.00%
3	Desktop Engineer	28	20.14%
4	Support Engineer	2	1.44%
5	System Engineer	0	0.00%
6	Desktop Level- 1	17	12.23%
7	Service Engineer	35	25.18%
8	Field Engineer	0	0.00%
9	Trainer	3	2.16%
10	Customer Care Executive	0	0.00%
11	IT Infrastructure	0	0.00%
12	Technical Engineer	9	6.47%
13	Desktop Level- 2	8	5.76%
14	Asset Management	3	2.16%
15	Call Coordinator	3	2.16%
16	Service Co-Coordinator	7	5.04%
17	Service Consultant	1	0.72%
18	Holding For Joining	15	10.79%
	Total Joining	139	100.00%

Graphical representation of the Table 2:**Table 1** shows the process of student selection for certification course this data is taken from the "Influence computer educa-

tion, Kolhapur".this data shows the JRP program of the institute for year 2012-13.the data is collected from the senior colleges located in the Kolhapur and sangli.

Table 2 shows the job placement position of the admitted student for the certification course in comp. Networking and related arena. The job recruitment analysis on description for 139 students in institute admitted for course in networking and IT professional certificates. Here the terminated students are not considered because they are in non certificate category.

IT jobs, networking skills in computer and trends:

Most of students consider job prospects a significant factor in their decisions to major in field of study. Therefore the student perception of job prospects associated with the selected course in IT, NT and arena is expected to be a major factor in determining "attractiveness" of study.

The job trends focus on the requirement of networking industries and certified course try to give skillful knowledge in computer networking. The study result defining which IT positions to focus on the development of critical skills and knowledge competencies was straight forward than initially assumed. This was due to,

- Lack of clarity about IT profession
- Lack of getting or grasping networking knowledge
- Diverse IT positions ranging from technical to functional orientation

The word trend actual gives rather than provides important carrier information about the job available in IT industries with variant post and employment. Description for networking, IT related professionals are grouped under the heading "IT professionals and related occupation"

Company required skills from students are more comfortable in good communication, bold and aggressive towards work and task assigned, team leading skills expert in particular job profile.

Empirical Analysis:

In investigating skills and knowledge require by IT professionals in their jobs the JRP program of the institute analyzed the relationship between job skill deficiency/surplus and performance for the required post.

Although a job content analysis on description for jobs in IT indicated that they are primarily technical positions with requirements for limited organizational skills, their empirical study revealed that organizational or soft skill deficiencies have a larger negative effect on job performance than technical skill deficiency. The measurement of skill deficiency or surplus in the study was based on the participant's perception of the usefulness and proficiency of organizational and technical skills. The set of organizational skills defined in the study include communications, project management, team work, customer services and general management skills. Measurement of technical skills includes perceived proficiency and usefulness of tools of networking as CCNA, CCNP and related things.

Company criteria for selecting students for Job:

- Knowledge of networking and related area
- Ability to interpret network problem and to develop appropriate technical solution
- Ability to work collaboratively in a team project environment, and to plan, organize and lead projects
- Ability to develop and deliver effective, informative work in the networking and related arena

Conclusions:

As per above discussion the survey can draw the following conclusions

- Candidates are mostly selected for the position Service Engg, Desktop Engg and DL-1 in the IT industry
- Candidates are on holding for job due to some technical reasons
- Other posts are averagely appointed
- Customer Care Executive, IT infrastructure, Service Consultant these post remain idle due to some weaknesses in the candidates
- Post of Hardware engineer is also remain idle
- The candidates with a average knowledge getting middle scale jobs

The title "Some Realities In computer Network Skills and Job Opportunities in the Arena"

Conclude that the institute gives more efforts in the seminar to attract student for the course in NT and related arena. Also they must concentrate on the convert the student in admission to complete the course.

The job opportunities in the computer networking and related arena is inverse because of some skill in related area is less than required for job profile.

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