

LINUX PROGRAMMING

(III- B. Tech. – I– Semester)

Submitted to

Department of
INFORMATION TECHNOLOGY

By

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**JNTUH COLLEGE OF ENGINEERING
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(2017-18)

Direct Course Assessment

SINo	Description	Targeted Performance	Actual Performance	Remarks	Course Attainment
1	Internal Marks(25)	80% of Students(47 Students) should Secure 60% of Internal Marks i.e., 15 Marks	50 Students out of 58 students Secured 15 Marks and above	All Course Outcomes in general attained & Marks Awarded or Attainment Level is 3(Strong & High)	3M
2	External Marks(75)	60% of Students (35 Students) should Secure 50% of External Marks i.e., 38 Marks	26 Students Secured 38 Marks and above	60% of Students (35 Students) should Secure 50% of External Marks i.e., 38 Marks	2.23M
3	Clearing of Subject	A minimum of 80% of Students (47 Students) should clear this course in first attempt	56 Students Secured 40 Marks or 3 Credits whichever is lower	A minimum of 80% of Students (47 Students) should clear this course in first attempt	3M
4	Getting First Class	50% of Students(29 Students) should Secure I Class Marks i.e., 60 Marks in my course	14 students secured 60 marks and above	50% of Students(29 Students) should Secure I Class Marks i.e., 60 Marks in my course	1.45M
5	Distinction	20% of Students(12 students) should secure First Class With Distinction	1 students secured 70 marks and above	20% of Students(12 students) should secure First Class With Distinction	0.25M
6	Outstanding Performance	10% of Students (6 students) should secure 80% and above Marks.	0 students secured 80 marks and above	10% of Students (6 students) should secure 80% and above Marks.	0M

Direct Attainment Calculation

Academic Year :2017-18

Year-Sem -Branch : B.Tech. III-II I.T

Subject Name : Linux Programming

Faculty Name :Smt. Ch. Asha Jyothi

S.No.	Roll Number	MID-I (25 M)	MID-II (25 M)	Internal	External	Total
				Best/Avg (25M)	End Exam (75M)	100M
1	15JJ1A1201	17	17	17	35	52
2	15JJ1A1202	17	18	18	43	61
3	15JJ1A1203	18	19	19	44	63
4	15JJ1A1204	21	18	20	39	59
5	15JJ1A1205	19	17	18	40	58
6	15JJ1A1208	21	21	21	48	69
7	15JJ1A1209	19	17	18	32	50
8	15JJ1A1210	19	23	21	42	63
9	15JJ1A1211	16	17	17	41	58
10	15JJ1A1212	21	21	21	49	70
11	15JJ1A1213	19	18	19	34	53
12	15JJ1A1214	16	18	17	45	62
13	15JJ1A1215	18	18	18	37	55
14	15JJ1A1216	14	13	14	26	40
15	15JJ1A1217	17	16	17	17	34
16	15JJ1A1218	13	15	14	26	40
17	15JJ1A1219	17	17	17	27	44
18	15JJ1A1220	16	18	17	45	62
19	15JJ1A1221	15	17	16	29	45
20	15JJ1A1222	15	16	16	40	56
21	15JJ1A1224	17	17	17	33	50
22	15JJ1A1225	17	18	18	32	50
23	15JJ1A1226	18	17	18	36	54
24	15JJ1A1227	17	16	17	35	52
25	15JJ1A1228	19	19	19	39	58
26	15JJ1A1229	17	18	18	39	57
27	15JJ1A1230	17	18	18	39	57
28	15JJ1A1231	19	21	20	33	53
29	15JJ1A1232	13	15	14	28	42
30	15JJ1A1233	19	17	18	41	59
31	15JJ1A1234	16	18	17	32	49
32	15JJ1A1235	19	18	19	33	52
33	15JJ1A1236	22	18	20	31	51
34	15JJ1A1237	18	14	16	26	42
35	15JJ1A1238	12	15	14	28	42
36	15JJ1A1239	20	17	19	30	49
37	15JJ1A1240	16	16	16	26	42
38	15JJ1A1241	15	12	14	43	57
39	15JJ1A1242	14	15	15	26	41
40	15JJ1A1243	17	19	18	45	63
41	15JJ1A1244	18	18	18	40	58
42	15JJ1A1245	19	17	18	45	63

43	15JJ1A1246	12	15	14	26	40
44	15JJ1A1247	18	19	19	42	61
45	15JJ1A1248	20	22	21	42	63
46	15JJ1A1249	18	18	18	38	56
47	15JJ1A1250	17	18	18	26	44
48	15JJ1A1251	18	19	19	46	65
49	15JJ1A1252	19	19	19	32	51
50	15JJ1A1253	20	20	20	42	62
51	15JJ1A1254	16	16	16	39	55
52	15JJ1A1255	21	19	20	45	65
53	16JJ5A1201	17	15	16	26	42
54	16JJ5A1202	17	14	16	0	16
55	16JJ5A1203	20	17	19	32	51
56	16JJ5A1204	14	14	14	26	40
57	16JJ5A1205	12	16	14	30	44
58	16JJ5A1206	13	16	15	27	42
Averag Marks				17.5	34.79310345	52.27586207
Number of students attempted				58	58	58

Course Attainment Level Calculation

	Target Performance	Actual Performance	Component Attainment Level
Internal Marks Assesment (a)	47	50	3
Externam Marks Assesment (b)	35	26	2.228571
Clearing of Subject in First Attempt	47	56	3
Number of Students cleared with First Class	29	14	1.448276
Number of Students cleared with Distinction	12	1	0.25
Number of Students cleared with outstanding performance	6	0	0
Course Attainment of Direct Assesment= (0.25*a+0.75*b)			2.421

CO-PO- Mapping

No	Course	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀	PO ₁₁	PO ₁₂	Average
1	CO - 1	3	3	2	3	3	1	3	2	3	3	3	3	2.67
2	CO - 2	3	3	1	3	3	1	3	2	3	3	2	3	2.50
3	CO - 3	3	3	1	3	3	1	2	2	3	3	2	2	2.33
4	CO - 4	3	3	1	3	3	0	2	2	3	3	2	2	2.25
5	CO - 5	3	3	1	3	3	1	2	2	3	3	2	2	2.33
6	CO - 6	3	3	1	3	3	1	2	2	3	3	3	3	2.50
	Average	3.00	3.00	1.17	3.00	3.00	0.83	2.33	2.00	3.00	3.00	2.33	2.50	2.43

CO-PSO Mapping

No	Course Outcomes	PSO ₁	PSO ₂	PSO ₃	Average
1	CO - 1	3	3	3	3.00
2	CO - 2	3	3	3	3.00
3	CO - 3	3	3	2	2.67
4	CO - 4	3	3	1	2.33
5	CO - 5	3	3	1	2.33
6	CO - 6	3	3	3	3.00
	Average	3.00	3.00	2.17	2.72

Program Outcome Attainment Calculation

PO Attainment Level Calculation= $(1/3)$ * course attainment level * correlation level(CL) of PO

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
Linux Programming	2.42	2.42	0.94	2.42	2.42	0.67	1.88	1.61	2.42	2.43	1.88	2.03

Program Specific Attainment Calculation

PSO Attainment Level Calculation= $(1/3)$ * course attainment level * correlation level (CL) of PSO

Course	PSO1	PSO2	PSO3
Linux Programming	2.2869	2.421428571	1.75

Indirect Course Assessment

(As mentioned-strong (3), moderate (2), weak (1) & no comment (0))

Mission Statement of Informtion Technology

- To Attain Academic excellence through well qualified and committed faculty, transforming Information Technology students in to globally competent technical professionals Create value-based, socially committed professionals for anticipating and satisfying fast changing societal requirements.
- To provide excellent computing centers in leading areas of Information Technology giving exposure on latest software tools and computing technology.
- To inculcate critical thinking abilities, entrepreneurial skills, and leadership qualities among the students.

Correlation of Mission Elements with Mission Statement of CSE Department related to the Course (only Ticking given by faculty)

No	Mission Elements	Strong	Moderate	Weak	No Comment
M-1	Impart Fundamentals	√			
M-2	State Of Art Technologies	√			
M-3	Research & Career Development	√			
M-4	Value based Socially Committed Professional		√		
M-5	Anticipating & Satisfying Industry Trends	√			
M-6	Changing Societal Requirements			√	
M-7	Foster Continuous Learning	√			
M-8	Self Learning Abilities		√		
M-9	Interaction with stakeholders	√			
M-10	Holistic Development	√			

Indirect Course Assessment through Student Satisfaction Survey

(Note for *: Parameters used for course teaching like

a: Classroom teaching b: Simulations c: labs d: Mini_Projects
 e: Major Projects f: Conferences g: professional activities
 h: Technical Clubs i: Guest Lectures j: Workshops k: Technical Fests l: Tutorials
 m: NPTLs n: Digital Library o: Industrial Visits
 p: software Tools q: Internship/training r: Technical Seminars
 s: NSS t: NSS u: sports etc.

Further assume other parameters if any)

No	Question Based on PEO/PO/PSO/CO	Parameters (a /b /c...)*	Strong (3)	Moderate (2)	Weak (1)	No comment (0)
1	Did the course impart fundamentals through interactive learning and contribute to core competence?	a ,c,l,m,n,r,	40	12	6	0
2	Did the course provide the required knowledge to foster continuous learning?	a,c, l,m,r	35	23	0	0
3	Whether the syllabus content anticipates & satisfies the industry and societal needs?	a,c,i	25	20	12	1
4	Whether the course focuses on value based education to be a socially committed professional?	a,c, ,l,m,r	20	20	10	8
5	Rate the role of the facilitator in mentoring and promoting the self learning abilities to excel academically and professionally?	a,c, ,l,m,r	45	10	3	0
6	Rate the methodology adopted and techniques used in teaching learning processes?	a,c,g,j,l,p	50	8	0	0
7	Rate the course in applying sciences & engineering fundamentals in providing	a,c, ,l,m,r	53	5	0	0

	research based conclusions with the help of modern tools?					
8	Did the course have any scope to design, develop and test a system or component?	A,c,0,	33	21	4	0
9	Rate the scope of this course in addressing cultural, legal, health, environment and safety issues?	A,c,i	0	0	0	0
10	Scope of applying management fundamentals to demonstrate effective technical project presentations & report writing?	a,c,dg,n	27	23	3	5
Total			326	142	38	14
Average			5.62	2.448	0.655	0.241
Grade average			2.241			

Overall Course Assessment

No	Assessment Type	Weightage	Attainment Level
1	Direct-Assignment, Quiz, Subjective, University Exams, Results, Bench Marks	80%	$0.80*(2.241)=1.9368$
2	Indirect-Surveys-Questionnaire	20%	$0.20*(2.241)=0.4482$
	Overall	100%	2.385

Course Attainment level

Linux Programming: 2.385