

## JNTU COLLEGE OF ENGINEERING , KUKATPALLY, HYDERABAD -----OUTPUT INDICATORS

### Guidelines for filling the format

#### Note:

Please follow instructions/guidelines for filling targets for each item as given below.

- Since the format covers baseline for 2003 and then skips 2004, it is expected that the target for 2005 will reflect higher increase than in those subsequent years as the data will cover two years i.e. 2004 and 2005.
- Targets for some items are sought as **cumulative** and for some items the targets are **non cumulative** which is indicated below each item.
- **Cumulative data:** When the targets are sought in cumulative figures it would mean that the increase each year will include the baseline information and information in subsequent years, for example if baseline data in 2003-04 indicates that the institution had 10 publications in 2003-4 and in 2005-06 the target set is 30, this would mean that 20 additional publications are targeted for achievement in 2004-5 and 2005-06 and the target of 30 includes 10 publications of the baseline as well ( $10+20 = 30$ ). Similarly, for 2006 if the target is set for 40 this means the target includes 30 from previous years (2003-2005) and 10 additional for 2006 ( $10+20+10 = 40$ ) and so on in subsequent years. To assist you, wherever data is required to be cumulative an '\*' sign has been provided along the item number in column 1.
- **Non Cumulative data:** When non cumulative data is sought in an item it means that the target for previous years are not included but an increased target to be achieved in a specific year only is provided. Please ensure that the targets provided are as per instructions clarified so that all targets are standard and in line.
- Unless specified, give data in numbers. Where financial information is required give value in Rs. Million.
- Since academic year 2004-5 is already over, please provide information under achievement column of 2005-6 in all items.
- Since Joint Review Missions are held biannually, i.e. Oct/Nov and May/June every year, the achievement column is divided into two sub-columns to cover programs upto that specific point of time. For JRMs to be held in Oct/Nov, the progress data is sought till the end of Sept. of that academic year, and for JRMs to be held in May/June data is sought upto the end of March of that academic year.

## Academic Excellence

Indicators		The Academic Year for Reporting Data																				
		2004-05		2005-06		2006-07				2007-08				At end of the Project in June 2008								
		Data for the graduates of batch of 2003-4		Data for the graduates of batch of 2004-5		Data for the graduates of batch of 2005-6				Data for the graduates of batch of 2006-7				Data for the graduates of batch of 2007-8								
1. Increased number of high quality graduates (first degree) in relevant and cutting edge technologies	1a. All (relevant) engineering disciplines including cutting edge technology	A	B		A5	B5		A6	B6				A7	B7				A8	B8			
		300	Achievement		300	Achievement		300	Target		Achievement		300	Target		Achievement		300	Target		Achievement	
			No.	%(B/A)		No.	%		No.	%	No.	%		No.	%	No.	%		No.	%	No.	%
			63	21		85	28		100	33	131	44		115	38				130	43		
	1b. Cutting edge technology disciplines only	C	D		C5	D5		C6	D6				C7	D7				C8	D8			
		150	No.	%(D/C)	150	Achievement		150	Target		Achievement		150	Target		Achievement		150	Target		Achievement	
No.			%(D/C)	No.		%	No.		%	No.	%	No.		%	No.	%	No.		%	No.	%	
		48	32		73	48		87	58					95	63			106	70			

**Note:**

- High quality graduates are those who score 75% or more marks or equivalent GPA in the aggregate at graduation.
- Relevant means all disciplines of engineering except architecture, MCA/BCA and pharmacy.
- Examples of cutting edge technology disciplines are: Electronics & Communication, Computer Science & Engineering, Information Technology, Biotechnology, Bio-informatics, Bio-medical Engineering, etc.
- At **A**, give the total number of students that graduated in all engineering disciplines in 2003-04. Please exclude students graduating from Architecture, Pharmacy and MCA/BCA.
- At **B**, give the total number of graduates who were of high quality (as defined above) from the batch graduating in 2003-04 in numbers and percentage of B over A.
- At **A5** and **B5**, give data in the same way as for **A** and **B**.
- Under Target for **B6**, **B7** and **B8**, give planned %ages of high quality graduates. Once the students pass out, the number of students graduating and those graduating with high quality would become known. Data should then be filled in for **A6**, **A7** and **A8**, and under Achievement columns. **Planned %ages should be higher each year**, the increase in each year should be about 10% or more of the previous year-- for example if the value at **B5** is 30, then the increased values in the subsequent years would be 33, 36 and 39. Institutions should achieve the planned %ages as achievement on this aspect will reflect in the performance of the institution.
- Following the above guidelines, please give the values for **C**, **D**, **C5**.... **C8** and **D5**...**D8**.
- The targets provided for each year will be **non-cumulative**.

		The Academic Year for Reporting Data										
		Baseline data 2003-04		2004-05		2005-06		2006-07		2007-08		At end of the Project in June 2008
		No. of students admitted in 2002-03	No. of students completed the degree in 2003-04	No. of students admitted in 2003-04	No. of students completed the degree in 2004-05	No. of students admitted in 2004-05	No. of students expected to complete the degree in 2005-06	No. of students admitted in 2005-06	No. of students expected to complete the degree in 2006-07	No. of students admitted in 2006-07	No. of students expected to complete the degree in 2007-08	No. of students completed the degree by June 2008
<b>2. Increased number of postgraduate students completing in engineering disciplines</b>	2a) M	280	185	330	261	330	310	330	315	330	320	330
	2b) P	20	5	48	12	52	12	52	12	50	18	20

M = Masters

P = PhD

**Note:**

- At M and P, give the number of students who completed Master's and Doctoral programs.
- Please include all part-timer students who are likely to register and complete the degree.
- The data provided should indicate gradually increasing admissions and completions both for Masters and Doctoral programs separately.
- By the end of the Project there should be substantial increase in number of students completing Master's and Doctoral Programme
- Please do not include students of Architecture, Pharmacy, Computer Applications/Science, pure sciences e.g. Chemistry, Physics, Maths etc.
- The target provided for each year will be **non-cumulative**.

		The Academic Year for Reporting Data													
		Baseline Data: 2003-04	Achievement in 2004-05	2005-06		2006-7		2007-8		At the end of the project (June 2008)					
				Target for 2005-06	Achievement		Target for 2006-07	Achievement		Target for 2007-08	Achievement		Target for end Project	Achievement	
					Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008			Upto June 2008
<b>3. Increased professional outputs</b>	3a. Publications	47	47	58	98	101	70			90			110		
	3b. Academic Products	2	2	2	2	5	3			4			5		
	3c. Patents (obtained/applied for)	--	--	--	--	--	--	--	--	--	--	--	--	--	
	3d. R&D products	i) Commercialized	--	--	--	--	--	--	--	--	--	--	--	--	--
		ii) Uncommercialized	--	--	--	--	--	--	--	--	--	--	--	--	--

**Note:**

- Please give baseline data for 2003-4 only.
- Under Target, give the planned increased numbers for each of the academic years 2005-06, 06-07, 07-08 and up to end of the project .
- Under Publications, include all papers published in refereed journals and those actually presented in National and International Conferences (papers could be research papers, invited review papers, etc.). In achievement column papers accepted for publications or presentation but not actually published or presented should be excluded. Popular articles, newspapers articles and radio/TV talks should be excluded.
- Under Academic product include books, monographs, conference proceedings and educational software.
- The targets for each subsequent year will be **non cumulative** and will indicate valid data for that particular year in target as well as achievement.
- Please provide information on achievement due to the Project in subsequent years.

4. Increased revenue generation	Financial year 2003-04 (Rs in Million)					Financial year 2004-05 (Rs in Million)					Financial year 2005-06			Financial year 2006-07			Financial year 2007-08			At the end of the project June 2008		
	RC	IRG				RC	IRG				Target (%)	Achievement		Target (%)	Achievement		Target (%)	Achievement		Target (%)	Achievement	
		(1)	(2)	(3)	(4) %		(1)	(2)	(3)	(4) %		Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008			
*	9.6	9.6	6.75	16.38	170	9.3	9.6	6.98	16.58	178	16.88	16.32	17.11	17.73				17.78			18.00	

**Note:**

- Against RC, give the total recurring expenditure during FY 2003-04.
- Against IRG in column (3), give the total internal revenue generated during FY 2003-4. IRG is to include income from all sources (income through Consultancies, Projects, Continuing Education Programs, Outreach Programs & Services, etc. including tuition fees and other charges collected from students).
- For the years 2003-04 and 2004-05, (1) = Tuition fee and other charges from all students (excluding hostel and mess charges) from all disciplines all years (UG, PG and PhD) even those disciplines not covered in TEQIP; (2) = Income from other sources; (3) = Sum of column (1+2) = Total IRG; (4) = IRG as percentage of RC (column 3/RC);
- Targets for FY 2005-06 should be higher than that achieved in column (4) of FY 2004-05; and for subsequent year the targets should be higher than that in the preceding year.
- Under Achievement in 2005-06 in both columns, give the actual RC upto the reporting month, and %age of IRG achieved up to that month. Give data like wise for the other years and up to project end.
- The data should indicate increased IRG every year but should be **non-cumulative**.

\* **Excluding Salaries**

## NETWORKING

- 1) Lead institutions only are to report all activities undertaken with all the network institutions. If a lead institution L has three network partners A, B and C then all activities planned, towards A,B, and C (LA, LB and LC) and completed; and all activities planned and completed by A ,B and C undertaken towards L (AL, BL and CL) will be reported by L only. Where activities are undertaken between any two network institutions, the network institution planning/initiating and completing one or more activities will only report that/those activities—the recipient network institution will not report these.
- 2) Earlier format sought information for ongoing and completed activities combined together, but it is felt that this needs to be separately identified to know the exact status of achievement with respect to the planned activities.

		Academic year 2003-04		Academic year 2004-05	Academic year 2005-06		Academic year 2006-7		Academic year 2007-8		End of the Project June 2008
		Achievement		Achievement	Achievement		Achievement		Achievement		Achievement
				Upto Sep,05	Upto Mar,06	Upto Sep,06	Upto Mar,07	Upto Sep,07	Upto Mar,08	Upto June 2008	
<b>5. Number of joint programs/ activities</b>	5a. Externally funded research, design and development projects	i. Planned	4	4	4	4	5		6	6	7
		ii. Completed		4	4	5					

### Note:

- Data for planned as well as completed is **cumulative**.
- The first cycle institutions should provide above information for 2003-04 also. The second cycle institutions can write NA (not applicable) in column for 2003-04 and all institutions for 2004-05 onwards for item 5 (5a to 5e).

	Academic year 2003-4	Academic year 2004-05	Academic year 2005-06	Academic year 2005-06		Academic year 2006-07		Academic year 2007-08		End of the Project June 2008		
				Achievement	Achievement	Achievement		Achievement		Achievement		Achievement
						Upto Sept 2005	Upto Mar 2006	Upto Sept 2006	Upto Mar 2007	Upto Sept 2007	Upto Mar 2008	Upto June 2008
5b. Joint consultancies	i. Planned	2	3	7	8	9	10	11	11	12	12	
	ii. Completed	2	4	5								

**Note:**

- Planned will have numbers of consultancies only and no value which will be **cumulative**.
- For completed activities please provide the information **cumulative** number and value in Rs. Million.

	Academic year 2003-4	Academic year 2004-05	Academic year 2005-06		Academic year 2006-07		Academic year 2007-08		End of the Project June 2008	
			Achievement	Achievement	Achievement		Achievement		Achievement	
					Upto Sept 2005	Upto Mar 2006	Upto Sept 2006	Upto Mar 2007	Upto Sept 2007	Upto Mar 2008
5c. Joint publications	i) Planned	--	5	6	8	9	10	12	16	20
	ii) Completed	--	12	39	60					

**Note:**

- Planned and committed publications will be **cumulative**.

	Academic year 2003-4	Academic year 2004-05		Academic year 2005-06		Academic year 2006-7		Academic year 2007-8		End of the Project June 2008	
		Achievement		Achievement		Achievement		Achievement		Achievement	
				Upto Sept 2005	Upto Mar 2006	Upto Sept 2006	Upto Mar 2007	Upto Sept 2007	Upto March 2008	Upto June, 2008	
5d. Joint training and continuing education programs for industry personnel	i) Planned	3	4	6	8	10	12	14	17	20	
	ii) Completed	3	4	7	9						

**Note:**

- Planned and completed will be **cumulative** numbers.

	Academic year 2003-4	Academic year 2004-05		Academic year 2005-06		Academic year 2006-7		Academic year 2007-8		End of the Project June 2008	
		Achievement		Achievement		Achievement		Achievement		Achievement	
				Upto Sept 2005	Upto Mar 2006	Upto Sept 2006	Upto Mar 2007	Upto Sept 2007	Upto March 2008	Upto June, 2008	
5e. Joint research guidance for PhD work	i) Planed	3	4	6	7	8	9	10	12	14	16
	ii) Completed	3	5	5	6						

**Note:**

Planned activities will show significant increase.

- For joint guidance in PhD Programs, it is expected that 'completed PhD' will be zero for first two years and it will show increased completion every year.
- The completed figure each year will be **cumulative**.

## Services to Community and Economy

- Only Community within the close vicinity of the institution is expected to be served. Only those activities for which the institution has technical capability and expertise should be taken up under this component.

		Baseline data: 2003-2004			Academic year 2004-05	Academic year 2005-06			Academic year 2006-07			Academic year 2007-08			At the end of the project June 2008	
					Achievement	Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement upto June 2008
							Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008		
<b>6. Services to Community and Economy</b>	6a. Technical trainings for socially disadvantaged groups and unemployed youth	i) Total number of programs planned and offered which are within the technical expertise of the institution				2	1	2	3	2	3	4	3	4	5	5
		ii) Total number of beneficiaries				20	10	10	40	20	20	75	40	35	100	100
		SC/ST/OBC				10	05	05	20	10	10	25	10	15	25	25
		Unemployed youth				20	10	10	40	20	20	50	25	25	50	50

### Note:

- Number of the programs planned are to be given under Target, and those actually conducted are to be given under Achievement. The numbers should increase every year.
- Data on beneficiaries by category is to be reported under Achievement. These numbers should also increase every year.
- Socially disadvantaged groups** will include SC/ST/OBC, Women and unemployed youth i.e. people who have no self or wage employment.
- Data on programs for the unorganized sector of economy and beneficiaries from this group are not be included in the data for socially disadvantaged groups and unemployed youth.** The data should indicate increasing number of programs actually completed every year- **(non cumulative)**.
- The total of the 3 categories may be higher than the total number of beneficiaries as because some beneficiaries might fall in more than one category but the total will not be less than the total of all categories. The data will be **non-cumulative**.

	Baseline data: 2003-2004	Academic year 2004-5		Academic year 2005-6		Academic year 2006-7		Academic year 2007-8		At the end of the project June 2008				
		Achievement		Target	Achievement		Target	Achievement		Target	Achievement Upto June 2008			
					Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008		
6b. Assistance to the unorganized sector	i) Number of programs planned and conducted	1		2	2	2	3	3	3	4	4	4	5	5
	ii) Number of beneficiaries	20		40	20	20	45	25	20	50	30	20	60	60
	Male	15		25	15	10	25	15	10	30	20	10	40	40
	Female	5		15	10	5	20	10	10	20	10	10	20	20

**Note:**

- **Assistance to unorganized sector**, this will include persons like painters, carpenters, mechanics etc. Target and achievement for total number of programs and total number of participants will be **non cumulative** and expected to have increased number of beneficiaries every year. Please provide information separately for male / female beneficiaries in achievement column.
- Number of the programs planned are to be given under Target, and those actually conducted are to be given under Achievement. The numbers should increase every year.
- Data should indicate increasing number of programs and beneficiaries every year and will be **non cumulative**.

		Baseline data: 2003-2004		Academic year 2004-5	Academic year 2005-6			Academic year 2006-7			Academic year 2007-8			At the end of the project June 2008	
				Achievement	Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement upto June 2008
						Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008		
6c. Training to industry personnel (Non joint activities conducted singly by institutions)	i) Number of training programs planned and conducted	02	15	4	6	10	5	--		7			8		
	ii) Number of industry personnel beneficiaries	36	225	--	90	150	15			20			20		

**Notes:**

- **Socially disadvantaged groups** will include SC/ST/OBC, Women and unemployed youth i.e. people who have no self or wage employment and may or may not have any education. **This group is not to be included from unorganized sector (people working in the unorganized industry / entrepreneurs and self employed for which data has to be reported separately).** The data should indicate increasing number of programs actually completed every year- **(non cumulative).** **While target will reflect total number of beneficiaries under this category, under achievement,** please provide information separately for SC/ST/OBC, Women and Unemployed youth. The total of all categories may be higher because some beneficiaries might fall in more than one category but the total will not be less than the total of all categories. The data will be **non-cumulative.**
- **Assistance to unorganized sector,** this will include persons like painters, carpenters, mechanics etc. Target and achievement for total number of programs and total number of participants will be **non cumulative** and expected to have increased number of beneficiaries every year. Please provide information separately for male / female beneficiaries in achievement column.
- **Training for the organized sector i.e. persons who are wage employed in the organized industry:** Data should indicate increasing number of programs and beneficiaries every year and will be **non cumulative.**
- The revenue generated through services offered to organized sector would form part of the IRG of the Institution.
- Number of the programs planned are to be given under Target, and those actually conducted are to be given under Achievement. The numbers should increase every year.
- Data on beneficiaries by category is to be reported under Achievement. These numbers should also increase every year.

## System Management Capacity Improvement

		Baseline Data: 2003-2004	Academic year 2005-6			Academic year 2006-7			Academic year 2007-8			At the end of the project	
			Target	Achievement		Target	Achievement		Target	Achievement		Target	Achievement
				Upto Sept 2005	Upto Mar 2006		Upto Sept 2006	Upto Mar 2007		Upto Sept 2007	Upto Mar 2008		
*7. Increased availability of well trained institution managers	i. No. of training programs planned and organized	--	2	--	2	3			5			7	
	ii. No. of persons trained in planning and management		10		10	15			25			50	50

### Notes:

- Well-trained implies those who have undergone formal training.
- Objective is to get every person holding management position or a prospective manager undergoes training at least once during project period. A person who has undergone one training and goes for second or third training in management will be counted only once during entire program life.
- Institution managers would include Head of Institution, Deans, Heads of Departments, Registrar, Deputy Registrar, comptroller/Finance Officer, Training & Placement Officer, etc.
- Give expected increased numbers for the subsequent years.
- The data should be **cumulative**.