

R F D

Results Framework Document

For

**National Institute of Technical Teachers' Training &
Research, Bhopal**

(2011-2012)



Section 1: Vision, Mission, Objectives and Functions

Vision

NITTTR, Bhopal envision to be world class lead resource institute for promoting excellence in Technical Education, Management Education and Vocational Education and Training (TVET) System.

Mission

NITTTR Bhopal will act as a centre of excellence to:

- i. Intensify professional education and training for teachers and staff members in technical institution for advancement of learning towards promoting excellence in technical education and training.
- ii. Develop innovative and flexible curricula and quality instructional resources.
- iii. Provide support through vocational education and training and community services to improve quality of life.
- iv. Deliver effective services through capacity building, infrastructure development and strengthened delivery mechanisms.
- v. Promote research for improvement of technical education system.
- vi. Strengthen networking with industry, institutions and field agencies in the country and abroad.

Objectives

1. To improve quality of technical education system
2. To improve quality of informal vocational education and training system
3. To develop capacity, create and strengthen infrastructure and delivery mechanisms.
4. To induce research culture in TVET system.
5. To strengthen networking with industry, institutions and field agencies in the country and abroad.
6. To generate revenue

Functions

1. Education and Training
2. Curriculum Development
3. Learning Resources Development
4. Research
5. Extension Services

Section 2:

Inter se Priorities among Key Objectives, Success Indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target/Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
1. To improve quality of technical education system	50%	Offer Long term programme	Number of students enrolled in post graduate programmes	Number	8	120	90	80	70	60
						180	160	150	140	120
						10	8	7	6	5
						20	16	14	12	10
2. To improve quality of informal vocational education and training system	20%	Conduct workshop, conferences and seminars	Number of Workshops, conferences and seminars conducted	Number	4	10	8	7	6	5
						20	16	14	12	10
						100	90	80	70	60
						97	90	80	70	60
2. To improve quality of informal vocational education and training system	20%	LRs and Videos produced	Number of Video produced	Number	8	20	16	14	12	10
						100	90	80	70	60
						97	90	80	70	60
						97	90	80	70	60
2. To improve quality of informal vocational education and training system	20%	Develop curricula for national skill development mission	Curricula document	Number	15	100	90	80	70	60
						97	90	80	70	60
						97	90	80	70	60
						97	90	80	70	60
2. To improve quality of informal vocational education and training system	20%	Support polytechnics to implement Community Development Through Polytechnics (CDTP) scheme of Govt. of India	Number of Polytechnic Supported	Number	4	97	90	80	70	60
						97	90	80	70	60
						97	90	80	70	60
						97	90	80	70	60

Objective	Weight	Action	Success Indicator	Unit	Weight	Target/Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
3. To develop capacity, create and strengthen infrastructure and delivery mechanisms.	10%	Support polytechnics to implement Persons With Disabilities (PWD) scheme of Govt. of India	Number of Polytechnic Supported	Number	1	14	12	10	8	6
		Undertake staff development	% of Faculty trained	Percent age	2	50	40	30	25	20
		Appointment of faculty	Faculty appointed	Number	2	15	12	10	8	7
		Upgrade library facilities	Books added	Number	2	1500	1200	1000	900	800
		Create additional space	Square meter constructed	Square meter	1	200	180	160	150	140
		Upgradation of Extension Centres	Computers installed	Number	1	20	18	16	12	10
		Modernization of classroom facilities	Number of class rooms modernised	Number	1	5	4	3	2	1
		Upgradation of laboratory facilities	Number of laboratories upgraded	Number	1	5	4	3	2	1
		Publish international journal	Number of issues published	Number	3	5	4	3	2	1
		Publish research papers	Number of papers	Number	4	30	27	24	22	20
4. To induce research culture in TVET system.	7%									

Objective	Weight	Action	Success Indicator	Unit	Weight	Target/Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
5. Strengthen networking with industry, institutions and field agencies in the country and abroad.	1%	Organise programmes	Number of programmes organised	Number	1	20	18	15	12	10
6. To generate revenue	1%	Offer consultancy, testing, products and services	Revenue earned	Rs. lakhs	1	80	70	60	50	40
7. Efficient Functioning of the RFD System	11%	Timely submission of RFD for 2011-12	On-time submission	Date	2%	March 31 2011	April 3 2011	April 4 2011	April 5 2011	April 6 2011
		Timely submission of Results for 2011-12	On-time submission	Date	1%	May 1 2012	May 3 2012	May 4 2012	May 5 2012	May 6 2012
		Finalize a Strategic Plan for RC	Finalize the Strategic Plan for next 5 years	Date	2%	Dec. 10 2011	Dec. 15 2011	Dec. 20 2011	Dec. 24 2011	Dec. 31 2011
		Identify potential areas of corruption related to organisation activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption.	%	2%	Dec. 10 2011	Dec. 15 2011	Dec. 20 2011	Dec. 24 2011	Dec. 31 2011

Objective	Weight	Action	Success Indicator	Unit	Weight	Target/Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
		Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review Citizen's Charter	Date	2%	Dec. 10 2011	Dec. 15 2011	Dec. 20 2011	Dec. 24 2011	Dec. 31 2011

**Section 3:
Trend Values of the Success Indicators**

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Actual Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
1. To improve quality of technical education system	Offer long term programmes	Number of students enrolled in post graduate programmes	Number	00	00	7	127	140
	Offer short term programmes	Number of programmes	Number	121	183	205	180	180
	Conduct workshops, conferences and seminars	Number of Workshops, conferences and seminars conducted	Number	15	12	10	10	10
	LRs and Videos produced	Number of Video produced	Number	55	41	20	20	20
2. To improve quality of informal vocational education and training system	Develop curricula for national skill development mission	Curricula document	Number	00	00	35	100	100
	Support polytechnics to implement community development through polytechnics scheme(CDTP) of Govt. of India	No. of Polytechnic	Number	Scheme in operative	83	97	97	97

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Actual Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
3. To develop capacity, create and strengthen infrastructure and delivery mechanisms.	Support polytechnics to implement PWD scheme of Govt. of India	Number of polytechnics supported	Number	14	14	14	14	14
	Undertake staff development	% of Faculty trained	%	50	33	45	50	60
	Appointment of faculty	Faculty appointed	Number	00	00	00	15	06
	Upgrade library facilities	Books added	Number	514	1866	4000	1500	1500
	Create additional space	Square meter constructed	Sq. M.	00	00	00	200	400
	Upgradation of Extension Centres	Computers installed	Number	00	00	25	20	15
	Modernization of classroom facilities	Number of class rooms modernised	Number	00	00	05	05	05
	Upgraded laboratory facilities	Number of laboratories upgraded	Number	00	00	02	05	05

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Actual Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
4. To induce research culture in TVET system.	Publish international journal	Number of issues published	Number	00	00	03	05	04
5. Strengthen networking with industry, institutions and field agencies in the country and abroad.	Published research papers	Number of papers published	Number	15	22	30	30	35
	Organise programmes	Number of programmes organised	Number	30	22	12	20	20
6. To generate revenue	Offer consultancy, testing, products and services	Revenue earned	Rupees in Lacs	86.79	140.06	90	110	120

**Section 4:
Description and Definition of Success Indicators
And Proposed Measurement Methodology**

S.No.	Success Indicator	Description/Definition
1.	Number of students enrolled in post graduate programmes	To create pool of competent technical teachers and professionals, institute is launching three M. Tech. and one MBA programme from the year 2011-12. This will not only lead to producing qualified and competent faculty for the engineering institutes but will also help institute faculty and departments to keep up to date with emerging technologies and best practices in technical education, and thereby serve the goal of improving the quality of technical education in the country. List of students admitted will be used for verification.
	Number of programmes	Keeping pace with the changing engineering content and delivery systems necessitate refresher training of faculty on continuous basis. Further newly recruited teachers require exposure to training methodology and education technology to be effective in instructional process. Short term training programmes are the key to enhance the competence in content and pedagogy of technical teachers. Short term training is the key result area of the institute performance. Demand based programmes are offered throughout the year at different locations. List of training programmes conducted will be used for verification.
	Number of Workshops, conferences and seminars conducted	Design innovations and development of purposeful educational processes and allied resources is done through collaborative efforts, experience and expertise sharing in workshops, seminars and conferences. List of Workshops, conferences and seminars conducted will be used for verification.
	Number of Video produced	Curriculum changes require new and modified learning resources. Video being a potent medium of instruction and learning, is used for enhanced learning. List of video lectures and programmes produced will be used for verification.
2.	Curricula document	Skilling manpower is the focus of Prime Ministers National Skills Development

		Initiatives. This requires development of need based curriculae using scientific approach in identified thrust areas for training of manpower at different levels to upgrade their skills and make them employable. These curriculae will be used by training providers across the country. List of curriculum documents developed will be used for verification.
	Number of Polytechnic Supported	Under scheme of community development through polytechnics (CDTP) of Govt. Of India, institute extends support to selected polytechnics by way of preparation of operational plan, collection of utilization certificates, preparation of physical and financial information. List of polytechnics supported to implement this scheme will be used for verification.
	Number of Polytechnic Supported	Under the scheme of GOI for integrating persons with disabilities (PWD) in the main stream of technical and vocational education, the institute extends support to selected polytechnics by way of preparation of operational plan, monitoring of variety of activities under the scheme, preparation of physical and financial information and collection of utilization certificate. List of polytechnics will be used for verification.
3.	% of Faculty trained	Continuous training of faculty is necessary to keep abreast of technological advancements and rapidly changing delivery systems. The training enables faculty to work in emerging and allied engineering areas and aids to their effectiveness in education and training. List of trained faculty members will be used for verification.
	Faculty appointed	Increasing number of super-annuated faculty over the last couple of years has necessitated fresh appointment of faculty in vacant positions. This will help in providing better services. List of newly appointed faculty members will be used for verification.
	Books added	Continuously changing frontier knowledge, effective curriculum implementation and for up-to-date inputs to training programmes require continuous up-gradation of learning resources and library facilities. List of books will be used for verification.
	Square meter constructed	To cater to the growing needs of education and training requirements instructional and other space is being created. Measurement book will be used for verification.
	Computers installed	ICT infrastructure is necessary for effective instructions using computers and internet. Computer systems will be installed in extension centre for this purpose. Data in the Stock register showing the number of computers installed will be used for verification.

	Number of class rooms modernized	ICT infrastructure is necessary for effective instructions using computers, internet and other interactive gadgets. Computer systems, interactive white boards, etc. will be installed in classrooms for this purpose. Data in the Stock register showing the number of computers installed will be used for verification.
	Number of laboratories upgraded	Changes in curriculum and contemporary development in engineering and technology require up-gradation of laboratories from time to time. Stock register showing the number of computers installed will be used for verification.
4.	Number of issues published	Sharing and dissemination of research findings promotes critical dialogues and encourages exchange of ideas. Institute has taken up publishing of an international Journal in engineering, science, management and education to achieve this objective. Number of Issues of the journals published.
	Number of papers published	Sharing of research ideas, and to promote originality in scientific thinking requires promotion of published research findings for critical feedback and wider dissemination of ideas. List of papers published will be used for verification.
5.	Number of programmes organized	To organize programmes as needed by industry and field agencies helps in promoting networking with stakeholders in technical education system and benefits the institute by providing first hand experience of technical problems and prevailing issues in engineering, technology and management of industry and field organization. List of programmes conducted will be used for verification.
6.	Revenue earned	To pass on the benefits of expertise and available resources to industry, field agencies and other agencies consultancy, testing, product development and services are offered by the institute. Cashbook will be used for verification.
7.	Indicators of Efficient Functioning of the RFD System	Self-explanatory

Section 5:**Specific Performance Requirement from the other departments**

- Timely financial Support from MHRD to implement programmes and projects as envisaged in this RFD
- Sponsorship of teachers and staff from the State Government and Institutes to attend different short term programmes, workshops, conferences and seminars
- Timely approval of long term programmes from AICTE and other affiliating bodies
- Policy support from AICTE for short term training programmes
- Recognition of NITTTR, Bhopal for implementation of programmes and projects under QIP Scheme

Section 6:

Outcomes/impact of activities of organisation

S. No.	Outcome/Impact of Organisation/RCs	Jointly responsible for influencing this outcome/impact with the following organization(s) departments/ministry(ies)	Success Indicator(s)	2009-2010	2010-2011	2011-2012	2012-2013	2012-2014
1.	No. of teachers trained through Short term programmes	State Government	Number of teachers trained	2809	2396	2500	2500	2500
2.	No. of persons trained through CDTP Scheme	Polytechnics	Numbers of persons trained	2750	38,000	40,000	42,000	42,000
3.	No. of persons trained through PWD	Polytechnics	Numbers of persons trained	525	700	750	800	800
4.	No. of Individuals/Organisations using LRs	Organisations	Number of Organisation/Individuals	46	34	50	50	50