

**MENTOR'S REPORT FORM (1)**

NAME OF MENTOR

: PROFESSOR K. N. PATHAK

DATES OF MENTORING VISIT

: APRIL 20-22, 2015

NAME OF THE INSTITUTION WITH LOCATION : SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROSZEPUR (PB)

No.	SEVEN KEY ASPECTS	QUALITATIVE SUMMARY AND SUPPORTING EVIDENCE OF PROGRESS	PROGRESS SINCE
			PREVIOUS VISIT
<b>COMPONENT 1 : IMPROVING THE QUALITY OF EDUCATION</b>			
<b>1.1</b>	STRENGTHENING INSTITUTIONS TO IMPROVE LEARNING OUTCOMES AND EMPLOYABILITY OF GRADUATES	College has improved basic infrastructure such as addition of new laboratory equipment, furniture, LCD projectors, desktops, important software, some addition of books in library. These are all in the direction of improving the quality of teaching, learning and employability of the graduates. The outcome of above infrastructures is bound to provide positive improvements.	During previous visit (09-11-2012) no grant was released. All developments as mentioned in column 2 have taken place after first visit.
<b>1.2</b>	SCALING UP POSTGRADUATE EDUCATION AND DEMAND DRIVEN RESEARCH, DEVELOPMENT AND INNOVATION	The infrastructure has been scaled as described in 1.1 which will also provide improvement in M.Tech. teaching. Some of the equipment procured are also going to drive innovation in teaching, research and developments.	One M.Tech. programme in Mechanical Engineering has been started in 2014-15. Second one in Electrical Engineering is expected to start in 2015-16
<b>1.2.1</b>	ESTABLISHING CENTERS OF EXCELLENCE	Need to be established	-
<b>1.3</b>	FACULTY DEVELOPMENT FOR EFFECTIVE TEACHING	There have been efforts in faculty development in effective teaching by providing a subject specific orientation. In	There has been noticeable



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	(PEDAGOGICAL TRAINNING)	addition, the teachers have been given opportunities to attend national and international seminars and conferences which are necessary to broaden their knowledge. However, it was expected to provide pedagogical training by SPFU which is yet to be done.	improvement
<b>COMPONENT 2: IMPROVING SYSTEM MANAGEMENT</b>			
<b>2.1</b>	<b>CAPACITY BUILDING TO STRENGTHEN MANAGEMENT</b>	The chairman of the governing body, Director, and two senior faculty members have visited Netherlands to study technical education system in that country. Also Registrar, Deputy Registrar and Assistant Registrar have attended various short term courses within the country on administration and management.	Emphasis is increased compared to last visit.
<b>2.1.1</b>	<b>IMPLEMENTATION OF GOOD INSTITUTIONAL GOVERNANCE</b>	It is a government educational institute which has already got a good governance bodies. College is making efforts to implement an Entrepreneur Resource Planning (ERP) to utilize e-governance practices.	Efforts have been intensified.
<b>2.2</b>	<b>PROJECT MANAGEMENT MONITORING AND EVALUATION</b>	Financial Monthly Report (FMR) of the project is sent to SPFU Punjab every month. Guidance and monitoring is being done by the Board of Governors. Performance evaluation and data auditing are being done by NPIU as per its procedures.	Better than before.

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**MENTOR'S REPORT FORM (2)**

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NAME OF THE INSTITUTION WITH LOCATION : SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FERROZEPUR (PB)

No.	LIST OF INTERVIEWS	KEY DISCUSSION SUMMARY POINTS
1.	UNEDGRADUATE STUDENTS	Around 80 students participated in discussion on infrastructure, sports facilities, hostels, teaching, learning and placements. A few students pointed out improvements in teaching to make them understand the subject. I advised the students to update the current developments in their domain knowledge by using internet and library resources. The placements and its quality need to be improved. Further, from the discussion, it is emerged that college could make efforts to provide more sports facilities particular for boys as these are already available to the girls students. All students wanted a spacious auditorium. The girl students were well satisfied with the hostel facilities, however, boys needed better upkeep of hostels. In fact, on my visit to hostel, I found their comments in order. It is suggested that for better upkeep of boys' hostel, there could be a women warden in addition to male warden. It is further suggested that college should provide funds to the students to develop innovative projects such as non-conventional fuel based engine, etc. It is really important for their better placements.
2.	POSTGRADUATE STUDENTS	There were very few M.Tech. students, all of them were getting teaching assistantships. They were advised to become job providers rather than job seekers. Institute is advised to provide facilities for entrepreneurship development.
3.	FACULTY	There were healthy discussions with teachers. After hearing their view points on teaching methodologies and research it was suggested that they should get involved in development of the skills to enable students to get better placements. Inculcation of entrepreneurship skills among students should be emphasized.
4.	STAFF	From discussions with technical and administrative staff, it emerged that they may be provided training in their respective areas due to addition of new equipment and computerization of office.
5.	SENIOR, MANAGEMENT	HODs of all 06 Engineering and 01 Applied Sciences departments described in



		<p>details the new laboratory equipment purchased in their departments. I was told that five departments have been accredited by the NBA for two years. It is a good development. Further, they pointed out most important equipment costing more than 5 lacs which could not have been purchased without the grant from TEQIP-II. This has really added quality in the teaching. I suggested that some of the equipment and software can be utilized for research work and they could make efforts in this direction. It was agreed feeling that additions of some new instruments are required for making meaningful research contribution such as XRD, SEM amongst others. Therefore it is suggested that it would be better if NPIU provides funds for this. In case it is not feasible, the institute could make efforts to provide these funds.</p>
6.	<b>MEMBERS OF THE GOVERNING BODY</b>	<p>I met 03 members of the governing body and discussed various issues of governance. I got the impression that it is functioning properly. However, it is suggested that chairman BOG may take initiative to establish contacts with prominent industrialist enabling better placement for students and start the industry institute interaction.</p>
7.	<b>INDUSTRY REPRESENTATIVES</b>	<p>No industry personnel were present.</p>
8.	<b>HEAD OF THE INSTITUTION</b>	<p>There was long discussion with the Director regarding various issues already brought up and suggestions given therein.</p>

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**MENTOR'S REPORT FORM (3)**

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No.	RECORD OF KEY POINTS (Discussed with Head of the Institute, Chair of the Governing Body)	INSTITUTIONAL RESPONSE	NOTE OF FOLLOW-UP NEEDED BY MENTORS, SPFU, NPIU
1	Discussion regarding autonomous status of the college to enable it to prescribe their own syllabus and conduct the examination.	NBA accreditation achieved for 05 programmes and NAAC result is awaited. UGC Visit scheduled.	College, SPFU, NPIU
2	Quantity and quality of research and consultancy.	Efforts are being made	College, SPFU, NPIU
3	Filling up of teaching posts on regular basis to avoid appointment of adhoc faculty which compromises the quality of teaching.	Approval from state government is awaited	College, SPFU, NPIU
4	Innovation in teaching	Problem solving oriented teaching and live project exposure to be started	College, SPFU, NPIU
5	Industry - Institute partnership programmes. Relevant industry personnel and governing body to facilitate placements of the students	Focused efforts are being made	College, SPFU, NPIU
6	Development of soft skills among students for improving their employability.	This is already facilitated with better infrastructure in Language Lab. Further, efforts are also being made like finishing school for final year students.	College, SPFU, NPIU
7	Ranking of the college among top institutions	With the availability of TEQIP-II funds, the institute has already made a mark at state level. More intense efforts are being now made to ensure national visibility to the institute.	College, SPFU, NPIU
8	More space for library and centralized computer	Construction of a separate and	College, SPFU, NPIU



	center.		
9	To improve the discipline and work culture	independent new building for library and computer center is in progress. Discipline is ok among students, staff and faculty. The faculty is being encouraged to work during extended hours for better teaching and research.	College, SPFU, NPIU
10	More research grants such as FIST, SERB	Efforts will be made	College, SPFU, NPIU
11	Center of Excellence	It will be taken on priority	College, SPFU, NPIU

*K. N. Athar*

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