

## 1. INSTITUTIONAL BASIC INFORMATION

### 1.1 Institutional Identity

- Name and address of the Institution : Atal Bihari Vajpayee Govt. Institute of Engineering & Technology Pragatinagar Distt. Shimla Himachal Pradesh 171202
- Year of establishment : 10 April, 2011
- Is the Institution AICTE approved? : **Yes**  
Furnish AICTE approval No. : **F.No. North-West/1-2814381229/2016/EOA**
- Type of Institution : **Govt. Funded**
- Status of Institution : **Non-autonomous**
  
- Name and Designation of Head of the Institution (Full time appointee) : Prof (Dr.) Mithilesh Kumar Jha  
Director-cum-Principal  
Atal Bihari Vajpayee  
Govt. Institute of Engineering & Technology  
Pragatinagar Distt. Shimla Himachal Pradesh 171202

### 1.2 Academic Information:

- **Engineering UG and PG programmes offered in Academic year 2016-17:**

S. No.	Title of programmes	Level (UG, PG, PhD)	Duration (Years)	Year of starting	AICTE sanctioned annual intake	Total students strength in all years of study
1.	Computer Science & Engineering	UG	4 years	2012	60	243
2.	Electronics & Communication Engineering	UG	4 years	2012	60	214

- **NBA Accreditation Status of UG and PG programmes as on 31<sup>st</sup> December 2016:**

Total no of programmes eligible for accreditation (at least one batch pass out): **02**

No. of programmes accredited: **NA**

No. of programmes applied for accreditation: **NA**

- Status of Faculty Associated with Teaching Engineering Students (Regular & Contract) as on 31<sup>st</sup> December 2016:

No. of Sanctioned Regular Posts	Present Status : Number in Position by Highest Qualification												Total Number of regular faculty in Position	Total Vacancies	Total Number of contract faculty in Position
	Doctoral Degree				Masters Degree				Bachelor Degree						
	Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and English/ other languages)		Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and English/ other languages)		Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and English/ other languages)				
	R	C	R	C	R	C	R	C	R	C	R	C			
1	2	3	4	5	6	7	8	9	10	11	12	13	14= (2+4+6+8+10+12)	15= (1-14)	16= (3+5+7+9+11+13)
6	0	0	0	2	0	4	0	4	0	3	0	0	0	6	13

R=Regular, C=Contract

(Document attached)

## **2. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)** **(Implementation period: April 2017 – March 2020)**

**2.1** Give the Executive summary of the IDP (max 2 pages).

Objective of TEQIP-III project:

- The objective of this project is to focus on improving quality and equity in the institute. Also to motivate faculty and the students to work towards the improvement of the institute. In addition to this, to improve the learning outcomes & employability of the students.

Why our institute is participating in the TEQIP-III project?

- Firstly, our institute lies in one of the hill states. Therefore, we have been enough fortunate to be able to participate in this project. Secondly, AICTE approvals for starting five branches has already been obtained vide approval No. F.NO.North-West/2013/1-1538283341, dated 30 April, 2013. But currently, only two branches are ongoing. This is because there is an acute shortage of class rooms, upgraded laboratories to meet new technologies, faculty, technical staff, administrative staff, broad band connectivity, Wi-Fi access, smart class rooms, e-library, furniture for class rooms, institute's own guest house, conference/seminar room, accommodation for the faculty, water supply system & hostel facility etc. The list is too long. In fact, our institute is facing many challenges to enhance the enrolment and to improve academic performance of the students. If all facilities were available within the institution, the same could be maximally utilized. Therefore, if our institute joins TEQIP-III project, we shall put all our efforts to overcome the above mentioned short comings on priority basis. Apart from this, institute would emphasise faculty training viz qualification & subject knowledge upgradation, participation in seminars, conferences & workshops. This would directly and indirectly benefit the students. As communication, presentation & non-cognitive skills and behavioural issues have a bearing on student's performance. Therefore, from time to time, eminent personalities, experts & consultants etc. would be invited to resolve all such issues and problems of the students.

Thus, in nutshell, we can say that in all aspects, TEQIP-III project shall take our institute to a whole new.





5. Improving the academic performance of SC/ST/OBC/academically weak students through innovative methods such as remedial and skill development classes, peer assisted learning for increasing the transition rate, non-cognitive skills and pass rate.

Plan	Action	Target Year
<ul style="list-style-type: none"> <li>• To improve academic performance of SC/ST/OBC/Academically weak students.</li> </ul>	<p>To improve the academic performance of such students, institute shall schedule:</p> <ul style="list-style-type: none"> <li>i) <b>Remedial classes</b> during semester hours or in vacations.</li> <li>ii) <b>Additional classes</b> shall be taken during institution hours when no classes are held but faculty available to help the students.</li> <li>iii) Extra inputs shall be provided in more innovative ways such as <b>tutorial classes</b> where students would interact with each other and also with meritorious students and faculty.</li> <li>iv) <b>Bridge courses</b> shall be offered which includes extra classes, notes and advice where faculty shall be available.</li> <li>v) <b>Peer learning groups</b> comprising of 10-12 good and weak mixed students shall be made. Which would help students share their experiences &amp; address their academic difficulties. Also good students help the weak ones.</li> <li>vi) From time to time institute shall invites external experts &amp; consultants to improve the non-cognitive and soft skills which include personality, motivation, self control, communication &amp; presentations skills.</li> </ul>	

6. Instituting academic and non-academic reforms including programme flexibility (Is there any need to revise the curriculum? When it was last revised?)

- ❖ For the time being, there is no need to revise the curriculum as it was recently revised in years 2015 & 2016.

(b) Improving employability of the students

7. Increasing interaction with industry (What are the industries located in the vicinity? What role of industry is perceived for the institute?)

Plan	Action	Target Year
<ul style="list-style-type: none"><li>To increase interaction with Industry</li></ul>	<ul style="list-style-type: none"><li>i) Institute shall establish Industry-Institute-Interaction Cell (IIC) to promote links to benefit students and faculty.</li><li>ii) Industry would be invited for :<ul style="list-style-type: none"><li>➤ Student assessment, training of students &amp; exposing students to new technologies.</li><li>➤ Delivering expert lectures for certain instructional sessions.</li><li>➤ Conducting short term training programmes in the institute.</li><li>➤ Assistance in establishing new laboratories &amp; providing literature on new technologies.</li></ul></li><li>iii) Laboratories in the institute (in selected area of excellence) would be shared with industries on agreed terms.</li><li>iv) Faculty shall be deputed to industry for problem solving and for joint projects.</li></ul>	2017

8. Student carrier counselling and placement

Plan	Action	Target Year
<ul style="list-style-type: none"><li>Student Career Counselling &amp; Placement</li></ul>	<ul style="list-style-type: none"><li>i) Institute shall establish <b>The Career Counselling Cell</b> to assist the students in relevant industries/company, in career planning, in preparation for selection tests and in placement.</li><li>ii) From time to time, The Career Counselling Cell would conduct Aptitude Test, Group Discussion, Counselling &amp; Skill Development Programmes and Guest Lectures from Corporate Personalities in order to meet the demand &amp; preference of the various industries.</li><li>iii) In order to conduct Campus Placement Drive, Institute would invest atleast 2 Lakhs in establishing Conference/Interview Room which would ultimately benefit the students.</li></ul>	Within 3-4 months of joining the project.

(c) Increasing faculty productivity and motivation

9. Sponsored research, consultancy and other revenue generating activities

Plan	Action	Target Year
<ul style="list-style-type: none"><li>To offer seed grant for research to faculty members</li></ul>	Under TEQIP-III project, institute shall offer 4-5 Lakhs for research to faculty members to venture into innovative research and to strengthen research culture in the institute.	2020
<ul style="list-style-type: none"><li>To encourage UG students to join industry oriented &amp; sponsored research programmes</li></ul>	Institute shall try to execute this plan under the guidance of senior faculty in order to increase their interest in higher education & research.	
<ul style="list-style-type: none"><li>To have interactions with industries</li></ul>	Regular interactions through consultancy are likely to promote a healthy and useful relationship between industries and the institute which would directly and indirectly benefit the faculty and the students.	
<ul style="list-style-type: none"><li>To generate revenue through various activities</li></ul>	In order to enhance the revenue, institute would conduct various activities such as self financing teaching, training programmes, sharing of high-tech equipments with industries & public usage of infrastructure for academic activities etc.	

2.3 Provide an action plan with timelines for

1. Obtaining autonomous institution status from UGC.

Plan	Action	Target Year
<ul style="list-style-type: none"><li>To obtain autonomous institution status from UGC.</li></ul>	<ol style="list-style-type: none"><li>Proposal for starting New Branch (Electrical Engineering) has been already submitted to DTE, Sundernagar, H.P. vide letter no. <b>ABVGIET/Estt./DPR/Elect. Engg/2016-1854, dated 18/11/2016.</b> (Document attached)</li><li>AICTE approval for starting Electrical Engg. Branch has already been obtained vide approval no. <b>F.No.North-West/2013/1-1538283341, dated 30 April, 2013.</b> (Document attached)</li><li>Reconstitution of BOG is under process as per UGC &amp; AICTE norms.</li><li>Proposal for NBA accreditation shall be submitted after the declaration of result of 2013-17 batches (after the eligibility).</li></ol>	

2. Improving the NBA accreditation status:

- ❖ At present, institute is not eligible to apply for NBA accreditation. However same shall be applied after the declaration of result of 2013-17 batches.

2.4 Describe the following in brief:

1. Is any enhanced assistance/mentoring that the institution is looking forward from its ATU?

- ❖ Yes, Affiliated Technical University (HPTU, Hamirpur HP) should provide better scheduled date sheet of regular classes examinations and reappear examinations. Above mentioned examinations must be in different times and should not be mixed in order to avoid large backlog of students in the final year. This would work as a stress buster for the students and shall directly assist them in improving their academic performances.

2. Does your BOG need strengthening, if yes, then how?

- ❖ Yes, institute has already submitted proposal to Department of Technical Education (DTE), Sundernagar H.P. **Vide letter no. ABVGIET/Estt./B.Tech/BOG-62, dated 30/01/2017** for reconstitution of BOG as per UGC & AICTE norms.

3. Is there an ERP/MIS system existing, if yes, then any improvement, modification suggested?

- ❖ **NO**

4. Is there any mechanism i.e. special classes being conducted in the institution for improving the GATE score?

- ❖ Yes, special classes are being conducted in the institution for improving the GATE score. These special classes include Engg. Mathematics, General Aptitude & Mock Tests relevant to these weekly etc and are taken regularly in the institute off hours & even in vacations. In addition to this, previous year's question papers of GATE are also discussed.

2.5 Provide a twinning plan with a high performing institute with the objective of capacity building knowledge transfer and developing long term strategic partnerships. (Twinning plan will be formalized into twinning agreement after finalizing the twinning partner).

- ❖ Yes, we are interested in twinning partnership. This would certainly work wonder for our institute.

**2.6** Is there any difficulty in recruitment and selection of high quality faculty? If yes, what are the reason & action plan to solve the issue?

- ❖ Not at all. There is no such difficulty as far as recruitment and selection of high quality faculty is concerned. Because the recruitment and selection of faculty is through Himachal Pradesh Public Service Commission Shimla HP.

**2.7** Give an action plan for ensuring that the project activities would be sustained after the end of the project.

- ❖ All the TEQIP-III project activities such as faculty, technical & administrative staff training, student employability, faculty productivity & motivation, procurement of furniture, equipments, books and academic software's, infrastructure (Civil work) etc. shall be sustained even after the end of the project. Institute would establish four funds viz **Corpus Fund, Faculty Development Fund, Equipment Replacement Fund & Maintenance Fund** to ensure the development activities continue beyond the project period. Also 8% of revenue per year of institute would be deposited as sustainability fund. Apart from this, from time to time State Government also provides the financial assistance to the institute.

**2.8** Describe briefly the participation of department/faculty/students in the IDP preparation.

- ❖ The TEQIP-III Co-ordinator of the institute has taken the painstaking and rigorous efforts in the preparation and compiling of IDP. Also all the departments of the institute such as Department of ASH, Department of CSE & Department of ECE etc. have significantly and effectively participated in the preparation of IDP. Apart from this, Administrative & Technical Staff have also played a vital role in the preparation of IDP.