RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(State Technological University of Madhya Pradesh, India)
Airport Road, Gandhi Nagar, Bhopal, M.P. - 462033

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

(TEQIP PHASE II, SUBCOMPONENET 1.2)

REVISED INSTITUTIONAL DEVELOPMENT PROPOSAL UNDER SUB-COMPONENT 1.2

(Upto 31st October 2016)

for

Scaling-up Postgraduate Education and Demand-driven Research & Development and Innovation

Submitted to:

National Project Director,
National Project Implementation Unit,
Ed. CIL House, 4th Floor, Plot No. 18-A, Sector 16-A
Gautam Buddha Nagar, Noida – 201 301 (Uttar Pradesh)

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RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(Airport Road, Gandhi Nagar, Bhopal-462033)

1. INSTITUTIONAL BASIC INFORMATION

Institutional Identity:

Name of the Institution	:	Rajiv Gandhi Prodyogiki Vishwavidhyalaya Bhopal (State Technical University of Madhya Pradesh) Rajiv Gandhi Proudyogiki Vishwavidyalaya was established by the Act No. 13 of 1998 of section 33 of the legislative assembly
Is the Institution AICTE approved?	:	Yes √ (Annexure-1) AICTE approval no F.No:760-81-202(E)/ET/95 July 17,2008
Type of Institution	:	Govt. Aided
Affiliating University	:	Rajiv Gandhi Prodyogiki Vishwavidhyalaya, Bhopal
Status of Institution	:	State Technological University

Names of Heads of Institution and Project Nodal Officers

Heads and Nodal Officers	Names	Phone Numbers	Mobile Numbers	Fax Numbers	E-mail Addresses
Vice Chancellor	**Prof. Piyush Trivedi**	**0755-2742001**	-	-	**vc@rgtu.net**
Registrar	Dr Rakesh Singhai	0755-2678821	09827220250	0755-2678819	rksinghai@gmail.com
TEQIP Coordinator	Prof. S C Choube	0755-2678820	09425125401	0755-2678819	scchoube@rgtu.net
Project Nodal Officers for:					
Academic Activities	Dr Roopam Gupta	0755-2678863	9425004437	0755-2678819	roopamgupta@rgtu.net
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Financial Aspects	Shri Yogendra Saxena	0755-2678888	9826737544	0755-2678819	-

2. ACADEMIC INFORMATION

- **Engineering programmes offered:**

S. No.	Title of Programmes	Level (UG, PG, PhD)	Duration (Years)	Year of starting	AICTE sanctioned annual intake				Total student strength
					2011-12	2012-13	2013-14	2014-15	
1.	Biotechnology	PG	2 Years	2003-04	18	18	18	18	35
2.	Energy Technology	PG	2 Years	2003-04	18	18	18	18	31
3.	Information Technology	PG	2 Years	2003-04	18	18	18	18	36
4.	Computer Technology & Application	PG	2 Years	2003-04	18	18	18	18	30
5.	Heat Power Engg	PG	2 Years	2008-09	18	18	18	18	43
6.	Cyber Forensic	PG	2 Years	2014-15	18	18	18	18	33
7.	Data Science	PG	2 Years	2014-15	18	18	18	18	19
8.	Digital Comm.	PG	2 Years	2011-12	18	17	18	18	34
9.	Structural Engg.	PG	2 Years	2007-08	18	18	18	18	37
10.	Power System	PG	2 Years	2008-09	18	18	18	18	42
11.	Computer Science	PG	2 Years	2010-11	18	18	18	18	46
12.	Nano Technology	PG	2 Years	2008-09	18	18	18	18	24
13.	Computer Science & Engg	UG	4 Years	1987-88	120	120	120	120	449
14.	Electronics & Communication	UG	4 Years	1987-88	120	120	120	120	238
15.	Information Technology	UG	4 Years	1998-99	60	60	60	60	199
16.	Electrical & Electronics	UG	4 Years	2002-03	60	60	60	60	238
17.	Mechanical Engg	UG	4 Years	2008-09	60	60	60	60	230

S. No.	Title of Programmes		Level (UG, PG, PhD)	Duration (Years)	Year of starting	AICTE sanctioned annual intake				Total student strength
						2011-12	2012-13	2013-14	2014-15	
18.	Civil Engg		UG	4 Years	2005-06	60	60	60	60	231
19.	Automobile Engg.		UG	4 Years	2012-13		60	60	60	137
20.	Petrochemical Tech.		UG	4 Years	2012-13		60	60	60	142
21.	MCA		PG	3 Years	2003-04	60	60	60	60	137
22.	Full Time PhD	Civil Engg.	Doctoral Prgramme		1998	4	2		2	08
		Electrical Engg				6		1	3	09
		Electronic Engg/EI.				7	5			12
		Mechanical Engg				3	4	1		24
		Computer Science/IT/ CA				1		1	1	20
		Bio Technology								10
		Applied Maths				1	2			01
		Applied Physics				4				04
		Applied Chemistry						4	4	03
		Pharmacy								09
		Architecture								01
		Energy					1		1	08

- **Accreditation Status of UG Programmes:**

Title of UG programmes being offered	Whether eligible for accreditation or not?	Whether accredited as on 31st March 2010?	Whether "Applied for" as on 31st March 2010?
Computer Science & Engg	Eligible	Not Accredited*	"Applied for"
Electronics & Communication	Eligible	Not Accredited*	"Applied for"
Information Technology	Eligible	Not Accredited	-
Electrical & Electronics	Eligible	Not Accredited	"Applied for"
Mechanical Engg	Not- Eligible	-	-
Civil Engg	Not- Eligible	-	-

* It was accredited earlier and now applied for renewal/ reaccreditation

- **Accreditation Status of PG programmes:**

Title of PG programmes being offered	Whether eligible for accreditation or not?	Whether accredited as on 31st March 2010?	Whether "Applied for" as on 31st March 2010?
Biotechnology	Eligible	Not Accredited	-
Energy Technology	Eligible	Not Accredited	"Applied for"
Information Technology	Eligible	Not Accredited	"Applied for"
Computer Technology & Applications	Eligible	Not Accredited	-
Nano Technology	Not-Eligible	-	-
Heat Power Engg	Not-Eligible	-	-
Structural Engg.	Not-Eligible	-	-
Power System	Not-Eligible	-	-
Computer Science	Not-Eligible	-	-

3. FACULTY STATUS (REGULAR/ON-CONTRACT FACULTY AS ON MARCH 31st, 2015.

Faculty Rank	NO. of sanctioned Regular Post	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				Master Degree				Bachelor Degree						
		Engg Discipline		Other discipline		Engg Discipline		Other discipline		Engg Discipline		Other discipline				
		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	15 = (3+5+7+9 + 11+13)	16= (2-15)	17 = (4+6+8 +10+12+14)
Prof	18	8	-	2	-	1	-	-	-	-	-	-	-	11	7	-
Asso Prof	35	5	-	3	-	12	-	1	-	-	-	-	-	21	14	-
Asst Prof	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lec	62	3	-	3	2	26	11	-	5	2	25	-	-	34	28	43
Total	115	16	-	8	2	39	11	1	5	2	25	-	-	66	49	**43***

Prof = Professor, Asso Prof = Associate Professor, Asst Prof = Assistant Professor, Lec =Lecturer, R= Regular, C=Contract

4. IMPLEMENTATION OF INSTITUTIONAL REFORMS (ACADEMIC AND NON-ACADEMIC REFORMS) :

a) **Curricular reforms :**Academic autonomy empowers for the curriculum reforms .

b) **Exercise of autonomies – Academic, Administrative, Managerial and Financial:** Being a university it posses all four type of autonomies .

c) **Establishment of Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund:** All four funds were establishes earlier and are in operations.

d) **Generation, retention and utilization of revenue generated through variety of activities:** This university is a self financed university .

e) **Institutions to fill-up all existing teaching and staff vacancies:** The university is in the process of fresh recruitment and it will reduce vacancies for faculty and staff to 5% or less of the sanctioned positions within 2 years of joining the Project and strive for zero vacancy during Project life.

f) **Delegation of decision making powers to senior functionaries with accountability:** The University already Delegated powers of decision making to senior functionaries with accountability.

g) **Improved Student Performance Evaluation:** Grading system is already introduced

h) **Performance appraisal of faculty by students:** All departments of university are conducting Performance appraisal of faculty by students. on the proforma prescribed by SPFU Bhopal.

i) **Faculty incentive for Continuing Education (CE), Consultancy and R & D:** As per AICTE norms due Faculty incentive for Continuing Education (CE), Consultancy and R&D are being given .

j) **Accreditation of UG and PG programmes:** At present the application for accreditation was submitted for 60% of the eligible UG courses and 40% of the eligible PG courses. The departments are in the process of filing applications of accriditatoin for rest of the courses with in very short period of time application for 100% eligible courses will be submitted to NBA.

k) **Academic Support for weak students:**The book bank scheme, special coaching & guidance classes ,teacher guardian scheme for academics support for the weak students are already implemented .

5. INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

Executive summary of the IDP

Rajiv Gandhi Proudyogiki Vishwavidyalaya is marching towards development into a centre of excellence in the arena of Technical Education, Research and Innovations . In this proposal in the back drop of the SWOT analysis the focus is on Scaling-up Postgraduate Education and Demand-driven Research and Innovation. For this purpose more than 26 laboratories are on the way of being modernized , strengthened & established for research and Post Graduate courses , utilizing about 65% of the total project life allocation . Three new PG courses have already been started since the

commencement of TEQIP II with due approval from AICTE and the infrastructure so developed will also be utilized in significantly increasing enrolment in existing and new Masters and Doctoral programmes in Engineering disciplines The training need analysis for faculty and staff has been conducted and elaborate faculty/staff development plan is prepared. An exhaustive training schedule for faculty and supporting staff is scheduled for the remaining months of the project . The 10% of the project life allocation will be utilized for faculty and staff development for improved competence .A time bound schedule is prepared for Institutional management capacity enhancement . For modernizing , strengthening of departmental libraries by inducting new E-Books , Reference & Text books, Online & print , national / international journals., 5% of the total project life allocation will be utilized. Teaching and Research Assistantships are proposed in all the departments for increasing enrollment in Doctoral programmes . The tremendous growth in the industry academia interaction is another salient feature of this proposal , 2% of the allocation categorized for this purpose a time bound action plan along with activity bar chart is enclosed in the proposal . As the buildings of this university are new so budget for refurbishment in this category is proposed in later phase of the project . The innovative activities like "finish school" and "Earn While you learn" are already started in the university will be the back bone for providing academic support to weak students also, an action plan is proposed for the weak students to elevate them . For increasing research interest amongst under graduate students a thought full action plan is prepared .

6. SWOT ANALYSIS

a) Strengths

1. High caliber students, from an excellent family and school background, generally assertive and self-motivated.
2. More than 253 acres of land for future expansion.
3. It is a state technical university of Madhya Pradesh granting affiliation to all the Engineering, Pharmacy , MCA, Diploma institutions of this state. The total number of these all together is more than 500 .
4. Enriched Central library and Departmental Libraries available in all the departments.

5. Broad Band and Internet facility available in the entire campus along with wi-fi facility.
6. Computers , Lap tops, Telephone Connections available with all the faculty members.
7. Each department has got a separate computation facility along with well equipped central computation facilities also available . More than 1000 latest computers available in the labs for students.
8. University along with its constituent University Institute of Technology are academically Autonomous.
9. State of the art equipments e-governance facility , Institutional MIS, Digital Library, E-learning facility already developed by RGPV .
10. Post Graduate Programmes available in Civil, Mechanical, Electrical, Computer Science , Information Technology, Pharmacy , Biotech, Nanotech and Energy Department.
11. Large numbers of externally funded research projects worth Rs 201 Lakhs are running in the university in various fields/departments.
12. It has successfully completed TEQIP –I so all the department are equipped with basic infrastructure and geared up with the World Bank procedures and eager to scale up Post Graduate Education & Research.
13. University regularly organizes National , International conferences, seminars, workshops, short terms training programmes for faculty and students.
14. Recruitment of some of the Regular Faculty is over and some more is in pipe line.
15. Sufficient no of Professors and Senior faculty members are available . A regular training and placement officer of Professor level was appointed, to give thrust to T&P activities.
16. E-governance started.
17. Recently established finishing school will strengthen linkages with industry and offer access to competency certification, industrial training, industrial projects and employment opportunities for students. Efforts are being taken up to prepare pass out students " Industry Ready" status.

18. The University has got better Corporate reputation than other technical institutions of the state .
19. Faculty with reasonable teaching competence in conventional methods. Some faculty possess vast industrial experience also.
20. Excellent Networking with all leading Indian institutions and MOUs with foreign Universities is an advantage .
21. All the classrooms and faculty rooms are available with new furniture, conference rooms in almost all the departments.
22. Significant percentage of women students-(approximately more than 35% of the total students).
23. Institute is running some innovative scheme *like earn while you learn* and the *finish school*, for the benefit of the students.
24. Due importance given to 'social inclusion' of Reserved Categories, and women students as per the policy of the government.
25. Institutions is equipped with Language Lab. to help students to improvise linguistic skills.
26. Post office & dispensary with ambulance facility available in the campus .
27. More than 20% of the regular faculty holds PhD degree.
28. The University is a self financed university.
29. Introduction of credit system in the examination results.
30. RGPV has career portal enable the students to get registered and appear in campus interview conducted by national/multinational companies.
31. Enough space is available to accommodate new programs and coursed.
32. Hostel capacity has been increased manifold.

b) Weaknesses

1. University is gearing up for more interaction with Industry .
2. Inadequate research and industrial experience among some of the faculty.
3. Technical supporting staff need more focused training.
4. Students report self reliance and consequent motivation for study, but lack self satisfaction from the effort.
5. Less accommodation available in the hostels.

6. Alumni not very active.
7. Lack of research culture amongst under graduate students .
8. As many of the PG programs started with in last two three years so the research work needs further boost .
9. Intake in PG courses are much more less in comparison to intake in UG courses.
10. Being new setup most of the departments offer single specialization in PG courses .

c) Opportunities :

1. Being the state technical university it has opportunity to play the role of academic leader in the state technical education system.
2. Academic autonomy gives immense opportunities for need driven curricular development and implementation.
3. Well equipped laboratories will support a wide variety of research projects, technology incubation and transfer, testing and calibration, which are currently not easily accessible in the state. Consultancy services will increase internal revenue generation .
4. Being the State University, plenty of opportunities to develop partnership with leading industries and institutions in India and abroad .
5. Striving to become a Centre of Excellence in new technologies relevant to the development of the state.
6. It is in position to offer a variety of academic services to industry and other technical institutions.
7 RGPV can build global linkages with Universities abroad.
7. High corporate reputation at the global level.
8. It has become active player in e-learning, e-governance, and in interactive distance learning.
9. A dual degree course being started in Engineering disciplines will further open up research and innovation .

d) Threats

1. Inadequate and ineffective use of existing Administrative and Financial performance.
2. Decline in employment opportunities in IT and Computer Software related discipline.
3. Low Probabilities of getting competent faculty and staff in new technologies.
4. Industry, in and around Bhopal, facing severe recession due to power, water and communication problems. Many industries on the point of collapse.
5. Entrepreneurship development not encouraged adequately in technical education system, very few successful entrepreneurs from the recent pass outs.
6. upcoming Private Universities in the state may break monopoly .

- **Results of SWOT analysis are linked to the key activities proposed in the proposal**

1. With sufficient availability of the land gives full freedom for expansion in terms of the enhancement in intake and opening new courses .
2. Presence of high caliber students helps us in launching innovative learning method.
3. Presence of high percentage of women students lead to gender and equity practices in activities.
4. Presence of sufficient number of professors , senior faculty members , will support in opening new PG courses and scaling up research and innovation .
5. Sufficient number of Doctoral degree holders will support in the activity of increasing registered number of research scholars.
6. As large number of externally funded research projects are already being carried out in the university so this will support the development of research laboratories in the university.
7. In all the board of studies of University the representatives from industry are already included so this will help in frequent interaction with industry personals in institutional reform activity .
8. The E-Governance has become fully functional in university so it will speed up all the activities.

9. It being the state technical university of Madhya Pradesh it can sign up MOUs with leading industries, universities, institutions of repute for exchange of faculty ,students ,sharing of resources, joint research works , joint publications, joint workshops , seminars , conferences etc.
10. It being the state technical university of Madhya Pradesh it can sign up MOUs at international level also.

7. SPECIFIC OBJECTIVES AND EXPECTED RESULTS OF PROPOSAL IN TERMS OF, "SCALING-UP POSTGRADUATE EDUCATION AND DEMAND-DRIVEN RESEARCH & DEVELOPMENT AND INNOVATION".

The following specific objectives were derived from SWOT analysis for "Scaling-up Postgraduate Education and demand-driven Research & Development and Innovation". :

1- Modernization & Upgrading under graduate labs to the Post graduate research and innovation level by procuring latest research equipments .
2- Setting up new research laboratories in all the disciplines .
4- Increasing enrollment of Masters & Doctoral students .
5- Engaging research assistants and associates on specific research projects .
6- Penetrating research culture amongst under graduate students by associating them with research scholars and PG students .
7- Setting up a research cell in the University to offer consultancy in the field of interest.
8- Using the results of training need analysis . The faculty technical supporting staff will be trained in upcoming areas of research from the institutes of repute .
9- Exchange of faculty ,students with near by reputed institution will increase research culture .
10- Inclusion of bulk of reference books , journals , periodicals , learning resources in the central & departmental libraries will scale up the demand driven research & innovation .
11- Frequent interaction with industry will help in converting innovative ideas in to project/product in close collaboration with private & public sector industries through industry institute interaction cell, This cell will also

encourage industry based thematic research work.

12- Organizing National, International conferences, seminars, workshops , short term & long term training progrmmes will increase interaction with other technologis lead to enhancement of the research and innovation .

13- Development of Center of Excellences in technological fields will scale up Postgraduate Education and demand-driven Research & Development and Innovation". :

14- Encouraging research reports, research paper , patents, product commercialization by letter of appraisal.

15- Financial support for competent research works.

16- Efforts will be done to increase number of externally funded R&D projects in areas linked to societal/industrial demand.

17- Academic support to weak students by arranging extra coaching classes .

18- By increasing collaboration with other institutes so that joint research , publications in refreed journals , peer review journals can be done.

19- Implementation of Institutional reforms like filling up staff and faculty vacant positions , delegation of decision making power to senior functionaries with accountability, providing faculty incentives for continuing education will scale up Postgraduate Education and demand-driven Research & Development and Innovation".

20- Conducting a survey in the near by society to come out with the gray areas where the society need technical support in their day to day life .

21- Conducting a survey in the villages to come out with the gray areas where the rural people need technical support in their day to day life.

22- Sharing of resources with International & National institute of reputes .

23 To help Madhya Pradesh to excel in Technical education .

24- The carry out curriculum innovation .

25- To carry out examination of reforms

26- To promote techno entrepreneurship .

To meet out the strategic plan gearing up the faculty & supporting staff is a major challenge..

8. VISION, MISSION & VALUES OF UNIVERSITY

Motto of University: The motto of University is Pragyan Brahman , which signifies that the rays of wisdom emanating from the knowledge of science and technology are so potent & impacting that they symbolize infinite capabilities & specialized , in fact Brahma personified .

Vision: It will be the earnest endeavor of the University to consolidate the system of Technical Education, revitalize its course curriculum , develop an effective and efficient examination system and to rejuvenate the faculty and students by providing high levels of motivation to pursue Engineering studies and Research so that the produce of the University and the out turn of the institution in Madhya Pradesh are equipped with the competence caliber of world standards .

To strengthen out vision for excellence following major initiatives has been taken.

- Curriculum innovation.
- Exam Reforms.
- Technology Sawyness
- New P.G. Course in emerging areas of National relevance .
- Knowledge Infrastructure.
- Collaboration with various leading Technology companies and Research organization and world class international Universities.
- Innovation, Research & Entrepreneurship.
- Knowledge repository and modern e-library.
- Creating facilities for R&D in frontier technologies.
- RGPV finished school.
- Rural Educational Upliftment
- Vibrant research culture at all level of UG & P.G.
- World class knowledge infrastructure.
- Globally Accredited Education.
- New capacity addition in emerging areas of Technology.
- Capacity and competence building.
- Competitive faculty

RGPV's Mission:

- Developing a tech savvy RGPV campus

- Strengthening knowledge infrastructure including MP wide networking of RGPV with its affiliated institutions
- Leveraging ICT for improving both quality and reach of world quality education and research services
- Introduction of new courses in new and emerging area of technology
- Faculty development and capacity building for research and innovations
- Establishing world class research centers and shaping some selected laboratories as world class test houses to serve the needs of Shoulder High social Responsibility, the industry and society
- Strengthening industry institution partnership and enhance social responsibility
- Bridging the gap between a graduating engineer and a professional engineer, thus enhancing employability
- Promoting engineering ethics and professional morality to build tomorrow's responsive society
- World Class Education
- Industry Relevant Research
- Innovations to mark new identity of RGPV
- Vibrant Research Culture from UG onwards
- RGPV as a World Class Knowledge Enterprise and a Factory of Innovations

RGPV Major Initiatives.

- On-line Centralized admissions UTDs & CoEs .
- E-Governance.
- Energy Park at RGPV
- Centralized Placement of RGPV students.
- Strong Industry-Institute interaction
- Soft and hard skills development from induction.
- Corporate Culture
- IPRCell
- Provision for corporate schools

- Live projects and assignments
- Time span of the student in the institute is to be expanded
- Extension of library and computational facilities.
- Linkage with industries to take up industrial Projects
- Development of consultancy and testing facilities.
- Installation of Solar Wind Hybrid Plant at Hilltop of the University
- Bio-diesel Park
- Contribution to National Bio-diesel Mission energy farming through Petro-plants.
- Quality Research
- Establishment of Drug discovery and development centre.
- Training Programme for Rural Entrepreneurs
- Knowledge infrastructure in the University .
- Innovation and Knowledge management centre
- Corporate Block.
- Earn While you learn
- Recognition of talent pool
- Research promotion at UG & PG level
- Finish school
- Chancellor's Scholarships
- Research Scholarships
- Launching of RGPV Portal
- Issue of smart card to students
- On line electronic transfer of examination question papers to maintain the secrecy
- Cashless transaction
- Introduction of CBCS system
- Starting Dual Degree Post Graduate Programs in 6 engineering disciplines
- Creation of R & D fund to promote R & D activities
- Best project award
- Best research paper award

- ❖ Women Grievance Cell

9. AN ACTION PLAN FOR SCALING-UP ENROLLMENT INTO MASTERS AND DOCTORAL PROGRAMMES

1- Starting part time Masters and Doctoral courses in all the disciplines .

2- Starting Flexi – Masters and Doctoral Programmes .

3- The modernization , upgrading existing lab with latest research equipments .

4- Setting up new post graduate research and innovation labs .

5- Starting Five Years integrated Dual Degree Courses in all disciplines.

6- Starting Collaborative M-Tech and PhD programs with other institutions.

7- Starting specially tailor made continuing education PG Programmes.

8- Recruitment of competent faculty for post graduate teaching.

9- Chalking out the fields of employment to start up new PG courses.

10- Training of faculty and supporting in upcoming/required technology .

11- Increasing the intake in Masters courses by seeking approval from AICTE.

12- To attract qualified students and maintain high quality standards written test and interviews can be conducted before admitting students to PG courses.

13- scaling-**up** enrollment into Masters and Doctoral programmes will be achieved by research assistance ship ,fellow ship for qualified Doctoral and Masters students

14- For inducting the candidates in doctoral programmes UGC norms will strictly followed to maintain the high quality standard .

15- Offering teaching assistantships to non GATE/ non sponsored PG students

16- Engaging research assistants and research associates on research projects .

Activity bar chart (April 2015 to Oct 2016)

S.No/ Key Activities	Sub- Activities	Action Plan in Months			
		1-4	5-8	9-12	13-18
01. Increasing the intake in the Masters courses & Doctoral courses	(a) Up gradation of the existing research labs				
	(b) Recruitment of the faculty				
	(c) Seeking approval from AICTE/Competent authority	Three new PG courses have already been started under TEQIP Phase II project. All are duly approved by AICTE.			
	(d) Admission of new students Starts				
02. Starting new PG course	(a) Chalking out the fields of employment to start up new PG courses	3 PG programmes have already been startred since the commencement of TEQIP II			
	(b) Setting up new research labs for new PG course				
	(c) Recruitment of the faculty				
	(d) Seeking approval from AICTE/Competent authority				
	(d) Admission of new students Starts				
03. Starting Part time PG and Flexi PG Programmes	(a) Chalking out the fields to start up new Part time PG and Flexi PG courses				
	(b) Seeking approval from AICTE/Competent authority.				
	(c) Admission of new students Starts				
04. Joint PG & Doctoral Programme	Admission of new students Starts				
05. Starting specially tailor made continuing education PG & Doctoral Programmes	(a) Seeking approval from AICTE/Competent authority.				
	(b) Admission of new students Starts				
06. Training of					

faculty and supporting in upcoming/required technology					
07. Offering teaching assistantships to non GATE/non sponsored PG students & Research students					
08. Encouraging research work in industry related topics for industry personals					
09. Joint Research work with institutes of repute.	(a) Signing MOUs with the other universities/institution of repute for joint research work				
	(b) Work starts				

10. AN ACTION PLAN FOR IMPROVING COLLABORATION WITH INDUSTRY.

Industry-academia collaboration involves two key aspects, industry inputs to curriculum development and internships for students. Increasing industry-academia collaboration requires:

a) Overcoming the distrust between the two partners;
b) Identification of win-win partnerships in terms of technical knowledge.
c) Incentives to institutions and faculty for collaboration.

In this back drop an action plan is chalked out as below :

- Starting an Industry Institute Interaction Cell responsible of activities to identify win-win partnerships in terms of technical knowledge. Following activities can be taken up for further improving Industry-academia collaboration.
- Industry inputs to curriculum development is received in the form of induction of industry personals in the board of studies responsible for framing curriculum. At present one person in each board of studies already exist in this university. Care can be taken to assure their presence and active participation in the meetings of BOS.
- To identify and facilitate Guest Lectures, Interactive Workshops, Conferences, Seminars, Brain Storming Sessions, Technical Discussions etc. with members of the Industry, outside experts, eminent personalities at regular interval.
- Arranging technical training programs for industry personals in the field of their interest.
- Signing MOUs with leading Industries for apprenticeship training of students.
- Starting Part time , Flexi Masters and doctoral programs for industry personals
- Encouraging Joint research and project work.
- Starting on demand need based Technology transfer to industry.
- Industrial Problem solving in the form of student's UG , PG Projects
- Arranging Students Training in industry for a fixed period in every vacation.
- Signing MOUs with industries abroad for interaction with their industry personals.
- Offering incentives to faculty and students interacting with industries.
- Starting Internship of students in industry on payment basic.
- Starting special tailor made PG degree/diploma level courses & Research work for the industry people on their specific demand .
- Inclusion of senior industry personals as adjunct faculty.

Activity bar chart (April 2015 to Oct 2016)

S.No/ Key Activities	Sub Activities	Project Months					
		1-3	4-6	7-9	10-12	13-15	16-18
01. Industry Institute Interaction Cell	(a) Starting an Industry Institute Interaction Cell						
	(b)overcoming the distrust between the two partners by Frequent interactions						
	(c) Chalking the fields of interaction with win-win situation						
02. Industry inputs to curriculum developme nt	(a) Induction of industry personals in the board of studies						
	(b) curriculum development with input from industry personals						
03.	To facilitate Guest Lectures, Interactive Workshops, Conferences, Seminars, Brain Storming Sessions, Technical Discussions etc. with members of the Industry.						
04. Arranging technical training programs for industry personals in the field of their interest							
05.Signing MOUs with leading Industries for apprenticeshi p training of							

S.No/ Key Activities	Sub Activities	Project Months					
		1-3	4-6	7-9	10-12	13-15	16-18
students							
06. Joint research & project work							
07. demand need based Technology transfer to industry .							
08. Industrial Problem solving in the form of student's UG , PG Projects							
09. Arranging Students Training in industry for a fixed period in every vacation							
10. Signing MOUs with industries abroad							
11. Offering incentives to faculty and students interacting with industries							
12. Starting Internship of students in industry on payment basic							
13. Starting tailor made PG courses & research work for industry							
14. Inclusion of senior industry personals as adjunct faculty							
15.	Arranging UG &						

S.No/ Key Activities	Sub Activities	Project Months					
		1-3	4-6	7-9	10-12	13-15	16-18
Arranging frequent visits of UG students	PG students ones or twice in every semester						

11. AN ACTION PLAN FOR

- **quantitatively increasing and qualitatively improving research by their faculty individually, jointly and collaboratively**
- **Action plan for quantitatively increasing research by faculty individually, jointly and collaboratively**

  - Increasing Intake in exiting PG courses
  - Increasing more number of PG courses in each department .
  - By improved Industry-academia collaboration ensuring more number of personals from industry register for research work with faculty .
  - Providing letter of appreciation for publishing papers in reputed journals
  - Simplifying the official procedure for sanction of and small expenditures for research .
  - Sanctioning study and Sebastian leaves for research work

- Action plan for qualitatively increasing research by faculty individually, jointly and collaboratively.
  - Setting up new research labs
  - Upgrading existing labs to attain research standards
  - Increasing number of reference books in library .
  - Increasing number of journals in library .
  - Arranging more number of national and international conferences , workshops seminars and training programs .
  - Signing MOUs with institutions of repute for joint research , resource sharing ,faculty exchange etc.
  - Ensuring library and labs to remain open during night hours .

- Action Plan for developing research interest among undergraduate students
  - Conducting research seminars almost every month.
  - Assigning Small project work every semester as part of their curriculum .
  - Associating UG students with Masters and Doctoral students in their research projects
  - Encouraging UG students to write research papers on their project work .
  - Motivating UG students for passing their free time in library searching out on line journals in the fields of their interest.
  - Arranging frequent visits of UG students to industries .
  - Permitting UG students to attend International and national conferences , seminars , workshops etc.
  - Associating UG students in Externally funded projects along with Masters and doctoral students .
  - Awarding best student project every year in all the branches of Under Graduate courses.
  - Encouraging interaction of UG students with students of Reputed Institutions for joint projects .
  - Arranging Technical Paper Presentation competitions specially for UG students.
  - Initiating research funds for triggering research interest amongst under graduate students.

Activity Bar Chart

S.No/ Key Activities	Sub Activity	Action Plan in Months					
		1-3	4-6	7-9	10-12	13-15	16-18
01. Research seminar for all the under graduate students							
02. Assigning Small project work every semester							
03. Associating UG students with Masters and Doctoral							
04. Encouraging UG students to write research papers							

05. Permitting UG students to attend International and national conferences , seminars , workshops etc							
06. Associating UG students in Externally funded projects							
07. Arranging frequent visits of UG students							
08. Arranging Technical Paper Presentation competitions							
09 Awarding best student project every year							
10 Encouraging interaction of UG students with students of Reputed Institutions for joint projects .							

- **collaborating with Indian and foreign institutions in academic and research area through MoUs**

❖ Sapiens TI

❖ International Centre for Biotech & Genetic Engg New Delhi .

A short action plan in brief chalked out for signing future MOUs is as below:

❖ Deciding Mutual areas of convergence .

❖ Chalking out fields in which both the universities /institutions can contribute

❖ Deciding duties of each of the partner .

❖ Making a Win- Win situation for both sides .

➢ **Incentives provided by the university to faculty and students :**

❖ ISRO- Satelte based interactive teaching learning

❖ Funding for International/National – workshop/Seminar/Symposium / Conference.

❖ Study leave for higher studies.

❖ Maternity and Paternity leave.

- ❖ Earned leave.
- ❖ Contributory Provident fund (CPF).
- ❖ Medical Allowance.
- ❖ HRA
- ❖ Staff Bus
- ❖ Group Insurance
- ❖ High Speed Internet Facility
- ❖ Well equipped offices
- ❖ 24 hours computing facility
- ❖ 18 hours library facility
- ❖ Residence
- ❖ Women Facility Centre
- ❖ Sports
- ❖ Entertainment
- ❖ Canteen/ Cafeteria
- ❖ Bank
- ❖ Post office
- ❖ Health Center
- ❖ Laptop
- ❖ Gymnasium

12. AN INSTITUTIONAL PROJECT BUDGET

Institutional Project Budget for Sub-Component 1.2

S.No.	Activities	Project Life Allocation in Lakhs
1	Infrastructure improvements for teaching, training and learning through:	**549.67**
	(i) Establishment of new laboratories for new and existing PG programmes, faculty research, etc.	
	(ii) Updation of learning resources	

S.No.	Activities	Project Life Allocation in Lakhs
	(iii) Procurement of furniture	
	(iv) Modernization and strengthening of libraries and increasing access to knowledge resources	
	(v) Refurbishment (Minor Civil Works)	
2	Providing Teaching and Research Assistantships for significantly increasing enrolment in existing and new Masters and Doctoral programmes in Engineering disciplines	**237.62**
3	Enhancement of R&D and institutional consultancy activities	**62.5**
4	Faculty and Staff development for improved competence based on TNA	**93.87**
5	Enhanced interaction with Industry	**61.10**
6	Institutional Management Capacity enhancement	**25.00**
7	Implementation of institutional reforms	**12.50**
8	Academic support for weak students	**25.00**
9	Incremental Operating Cost	**121.93**
	TOTAL	**1189.19**

13. TARGETS AGAINST THE DELIVERABLES GIVEN IN TABLE 1

Table-1

Project Targets for Institutions under Sub-component 1.2

S. No.	Deliverables	Base- line	Targets to be achieved	
			At the end of 2 years of joining the Project	By Project closing
1	Number of students registered for (a) Masters in Engineering programme (b) Doctoral Programme in Engineering	(a) 483 (b) 320	(a) 590 (b) 344	(a) 700 (b) 368
2	Revenue from externally funded R&D projects and Consultancies in total revenue (Rs. in lakh)	201.70 Lakhs	240.00 Lakhs	300.00 Lakhs
3	Number of (a) Research publications in refereed journals • National journals • International journals (b) Citations (c) Patents obtained / filed (d) Books (e) No. of R&D projects commercialized	(a) • 252 • 91 (b) 1260 (c) 2/1 (d) 6 (e) NIL	(a) • 300 • 110 (b) 1400 (c) 3/4 (d) 8 (e) 01	(a) • 400 • 135 (b) 2000 (c) 4/6 (d) 11 (e) 02
4	IRG as % of total recurring expenditure	Recurring expenditure is 29.5% of total IRG of the University	Recurring expenditure is 28.5% of total IRG of the University	Recurring expenditure is 26.5% of total IRG of the University
5	Number of co-authored publications in	(a) 190 (b) 56	(a) 250 (b) 67	(a) 300 (b) 80

S. No.	Deliverables	Base- line	Targets to be achieved	
			At the end of 2 years of joining the Project	By Project closing
	refereed journals (a) National (b) International			
6	Student credentials (a) Campus placement rate of • UG students • PG students (b) Average salary of placement package for (Rs. in lakh) • UG students • PG students	(a) • 75% • 50% (b) 3.0 Lakhs • 3.5 Lakhs	(a) • 85% • 70% (b) • 4.0 Lakhs • 4.5 Lakhs	(a) • 95% • 80% (b) • 5.0 Lakhs • 5.5 Lakhs
7	Number of collaborative programmes with Industry	3	At least 2	6
8	Accreditation Status (obtained and applied for)	UG-50% PG-25%	At least 75% of eligible UG programmes and 60% of eligible PG Programmes	100% for UG and PG programmes
9	Vacancy position for faculty and staff	Faculty -6% Vacancy Staff -	Vacancy reduced to 5% or less	Zero vacancy
10	Percentage of regular faculty with PhD in Engineering disciplines	19%	At least 20%	At least 25%
11	Any other (maximum three)			
(i)	Number of PG Courses	13	17	23
(ii)	Number of Phd Registrations per year	63	75	95

(b) Describe the Plan in detail for achievement of the above targets enumerated in Table-1.

1	Within Two years of starting the project after setting up new research labs and recruitment of faculty new PG courses will be started after taking due permission from AICTE .
2	With Increased interaction with industry and extension if research facilities the rise in number of Phd candidates is expected .
3	More Research proposals for externally funded projects will be submitted for increasing revenue from externally funded projects for this purpose PG students , research scholars and newly engaged Research assistants will be inducted in this work.
4	National and International conferences workshops ,seminars will be arranged , motivation and encouragement with incentives will be given to those who publish papers in reputed journals.
5	Special short term leaves will be sanctioned for encouraging faculty and others for writing books.
6	(a) New PG courses will be started , and rise in intake of exiting PG courses will increase IRG (b) Rise in number of Externally funded projects will increase in IRG (c) Commercialization of new technology developed will contribute in rise in IRG . (d) Testing and Consultancy services enhanced out of the modernized existing labs , newly started research labs will boost in IRG (e) Payment bases training Programs for practicing /industry engineers will be additional source of increment in IRG (f) Sharing the infrastructure , learning resources with other institutions on demand will fetch revenue .
7	- Establishing Regular contact with industry personals . - Chalking out fields of mutual interests - convincing them for Win Win Position of both the sides . - Signing MoUs for collaborative programmes .
8	Within Two yrs of starting Project , shortcoming will be full filled and Applied for status for all eligible courses will be attained

9 Advertisements in news papers for recruitments already given and scrutiny is going on , selection process is in the pipe line .

10 Already more than 20% of regular faculty is holding Phd degree .

11 It is expected that number of PG courses and number of Phd registration per year will be 1.5 times the existing number by the end of two years of running the project .

14. GIVE AN ACTION PLAN TO ENSURE THAT THE PROJECT ACTIVITIES WOULD BE SUSTAINED AFTER THE END OF THE PROJECT.

- Once the infra structure is setted up it will be for ever , IRG will rise as result of increase in PG courses and rise in number of Phd registration . Rise in IRG will be used to sustain the activities after the project period .
- With Improved research atmosphere number of externally funded projects will increase which will help in sustaining the activities after this project life .
- After setting state of art research labs and world class innovation facilities
- more increment in testing and consultancies activities will generate revenue and help is sustaining activities after project period .
- Infra structure so developed will be used for training and technology transfer activities , these activities will be offered on payment basis , will help in sustentation of project activities after its period .
- Libraries , learning resources , lab equipments skill man power will be shared with other institutes will fetch revenue for sustentation of the activities .

15. OTHER INFORMATION RELATED TO SPECIAL ACADEMIC ACHIEVEMENTS AS GIVEN IN ELIGIBILITY PROPOSAL OF THE INSTITUTION.

1. Excellent pass out rate and large number of meritorious students .
2. It's a autonomous self financed university.
3. Large number of externally funded research projects.

4. For encouraging students to perform better in academics University awards highest marks scoring students of its affiliated colleges by chancellor scholar ships.
5. Every year large number of students qualify GATE , CAT examinations

Collaborating with Indian and foreign institutions in academic and research area through MoUs

At present University has associated itself by signing following MOUs with prestigious international and national universities./ concerns

- With University of Houston for Academic Programs
- With Texas Instruments
- With EMC^2 Corporation
- With Redberry Corporation for development of knowledge centre
- With IBM for Academic initiatives .
- Osmania University for Distributed Research initiatives
- With Alteier softwares
- With REGE Institute Belgium
- With NCI (NIH) USA
- Dr Hoyul Lee Lab Canada
- International Centre for Biotech & Genetic Engg New Delhi

List of Ongoing Research Projects with their source of funding.

R&D Sponsored Projects Being Undertaken By Various UTDS and UIT with

- Ministry of New & Renewable Energy sources (MNES)
- All India Council for Technical Education (AICTE)
- Department of Science and Technology (DST)
- Indian National Science Academy (INSA)
- Petroleum Conservation Research Institute (PCRA)
- Department of Biotechnology (DBT)
- Indian Council of Medical Research (ICMR)
- Ministry of Power (MOP)
- Ministry of Environment & Forest (MOEF)

- ❖ M P Council of Science & Technology (MPCST)

16. FINISH SCHOOL AT RGPV:

Concept & Activities : Finish school at RGPV is a reality .In the emerging era of knowledge-driven globalization and declining workforce it would require enhancement of necessary skills and talents through concerted efforts in higher education, technical and vocational training, and professional courses in order to match the expected demand of the industries and service sector organizations in India and abroad. Industry-academia partnership has emerged as an essential condition to foster academic and research excellence in the institutions and universities, to accelerate the growth of academic competance relevance research and to foster the environment of technology innovations. Finish School at RGPV is a new concept in which curriculum is developed for students to prepare them for requirements of industries. The Finish school aims to provide skills both technical and soft skills to people to facilitate their employability and play a part in the supply side issues (of talent) of the industry. The Finish School shall provide a pre-employment training programmes for graduating students from Engineering/ pharmacy / Polytechnic Colleges offering different specializations to cater to the needs of different industries. Finish School is a supplementary training school that attempts to make-up for deficiencies of students providing skills both in technical and soft skills to students to facilitate their employability and play a part in the supply side issues of the industry. The realisation of the full vision of a strong and developed India necessarily requires a strong intellectual and knowledge base supported and nurtured by a vibrant academic and research environment in its institutions which is well supported by the industry. This can happen only if a synergetic partnership between academia and industry is promoted as a part of education and research strategy. Further by this means, the university could become increasingly important for local economic development. At present, the fresh pass out students hired by industries are given training at the level of their induction either through product-oriented training programme or through in-house training programme organized by a few industries. In-house training is limited to a basic orientation, because vendor-based training is expensive and equipment specific. Finish School is a new concept in which curriculum is developed for students to prepare them

for requirements of industries. The Finish school aims to provide skills both technical and soft skills to people to facilitate their employability and play a part in the supply side issues (of talent) of the industry.

June 24, 2009, Bhopal (Madhya Pradesh): IBM and Rajiv Gandhi Technical University (RGTU), Madhya Pradesh signed a Memorandum of Understanding (MoU) today to help students to enhance their skills in leading-edge software technologies and better position them in today's fast changing IT world. IBM will provide RGTU with training for faculty members, student development initiatives, support for research work and major/minor projects of students.

The programme clearly brings out the huge gap between the requirement of the industry and availability of resources. This training programme is going to focus on key areas of Databases and Web Technology. This training programme aims to train the responsible faculties to produce students with the combined business and technology skills needed to enter today's workforce. This will help business and industry to get appropriately skilled manpower at reduced cost and save on time for re-training. On the other hand, it will enhance employment opportunities for the fresh graduates and bridge the gap that exists between the needs of the industry and the academic curricula. Through this programme the faculty will get an opportunity to acquire and reinforce industry specific knowledge, skills and competencies delivered by trained faculty and practicing managers, said Professor Piyush Trivedi, Vice Chancellor Rajiv Gandhi Proudyogiki . In this programme it is also been decided to enter into MoU with IBM for training of faculty and students on various emerging technologies in future, in turn to provide real time live projects support to students and further IBM will also be providing softwares on 100% discounts to the university and all the participating institutions.

Selected faculty members form 155 engineering colleges in Madhya Pradesh (affiliated to RGTU) will undergo IBM's Faculty Development program for specific IBM Software (DB2, Rational, WebSphere and others). Post this certification (provided free of cost), these faculty members will be deemed as "IBM Subject Matter Experts" in the respective area(s) and will be able to train the students in their engineering colleges on various IBM technologies.

"IBM has a long standing relationship with various universities across India. We are very pleased to partner with Rajiv Gandhi Technical University and look forward to

working with the faculty on software learning and research projects under The Great Mind Challenge contest" , said Himanshu Goyal, Country Manager, Academic Initiative, Developer Works & Globalization, IBM Software India/South Asia. He further added, "IBM's Academic Initiative assist engineering colleges develop consistent, high quality curricula for leading and emerging technologies. This effort exposes top student programmers across India to open standards-based technologies that are at the helm of innovations across industry, providing them with an opportunity to develop innovative solutions to be used by government agencies, industry bodies and academia."

Commenting on the proposed collaboration with IBM, Prof Piyush Trivedi, Rajiv Gandhi Technical University said, "We are proud to collaborate with the leading technology giant like IBM. The association will enable our faculty to remain at the top of next-gen technologies, synergize knowledge and liaise with top level technologists from IBM to address the needs of the 21st century workforce. This would definitely enable our students to be better prepared for the industry."

IBM's Academic Initiative is a nationwide initiative and is a unique exercise to groom talent at the grassroots and enable tomorrow's workforce. IBM India successfully imparted training on open standards-based technologies to more than 110,000 students across 575 colleges in India during 2008 through the various AI programs.

17. ACTION PLAN FOR WEAK STUDENTS (SC/ST/OBC/ ACADEMICALLY WEAK) :

- Special need based Coaching classes for weak students in extra time .
- Extra Coaching classes for development of Communication and linguistic skills .
- Guidance Classes for Personality development .
- Career guidance coaching for GATE and CAT Examinations .
- Book Bank scheme : providing text book set to weak students for a semester .
- Teacher Guardian scheme for weak students : associating group of weak students for each of the faculty member for keeping a vigil eye on the academic performance of the students ,solving their individual problems by meeting them once a week personally .
- Encouraging rewards to weak students for improvement in the performance .

- ❖ Making mixed group of student in various day to day academic activities comprising of weak students and well performing students .

Book bank scheme for economically backward students at RGPV :

The University devotes considerable effort and resources to the development of an outstanding library collection to meet the expanding need of teaching and research. The library has more than 40,000 volumes, which include text books, reference books and research material on Science, Engineering, Biochemistry, Mathematics, , Environmental Sciences, Microbiology, Plant Pathology & Nenatology, Management, Business Administration, Information Technology, Biotechnology etc. It also subscribes regularly to a large number of technical journals and magazines, both Indian and Foreign. To make students more aware of today's India and the world, popular news papers in different languages are provided at the news section of the library. A separate periodical section is maintained with book numbers while the latest issues are displayed in the periodical section of the main reading room. Popular and informative magazines are available at the circulation desk.

Book bank facilities are provided for the economically weaker section of students. Library facilities are also available to the faculty members and staff of the University. Central library block shall comeup in near future to meet the growing requirement of the student having capacity of more then 10 lakh books and e library facility. Central library will be open round the clock and will be maintained by the students.

18. PROCUREMENT PLAN FOR THE 18 MONTHS FOR GOODS AND CIVIL WORKS AND CONSULTANT SERVICES WITH BUDGET AND TIMEFRAME.

Technical Education Quality Improvement Programme (TEQIP) Phase II
Action Plan for Jun 2015 to December 2016

Name of Institutions: University Institute of Technology, RGPV, Bhopal, M.P……Sub Component 1.2

Financial Figure to be furnished in Lakhs

Activities	Sub-Activities	May-June 2015		Jul-Sep 2015		Oct-Dec 2015		Jan-Mar 2016		Apr-Jun 2016		Jul-Sep 2016		OCT-Dec 2016		Total	
		Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)	. Target (Nos.)	Estimated Cost (Rs. Lakh)
Procurement	E-learning resources Software & Hardware	2	4	5	10	5	10	5	10	4	8	5	10	4	8	30	60
	Equipment for exisiting PG Programs	10	20	14	40	25	80	25	75	16	47.38	20	55	15	50	125	362.38
	Library i.e. books, e-books, journals, e-journals course specific softwares			1000	5	650	5	1200	10			1000	15			3,850	30
	membership of online journals & consortium																
	Digital/Virtual learning																
	Equipment for institutional TEQIP unit			1	10					1	2.29					2	12.29
	civil works	1	15			1	20	1	5			1	10			4	50
	others -	1	10					1	15	1	10					3	35

	FURNITURE																
	Sub - total	14	49	1020	65	681	115	1232	115	22	67.67	1026	90	19	58	4014	549.67
Assistanship	Masters student enrolled with TEQIP teaching assistanship	64	15.36	64	15.36	64	15.36	64	15.36	64	15.36	64	15.36	64	15.36	448	107.52
	PhD students enrolled with TEQIP research assistanship	8	4.32	8	4.32	8	4.32	12	6.42	12	6.42	12	6.42	12	6.42	72	38.88
	others	20	20.64	40	21.8	40	21.84	50	100.84	40	1.5	40	1.8	40	1.8	270	90.86
	Sub - total	92	40.32	112	41.48	112	41.52	126	122.62	116	23.28	116	23.58	116	23.58	790	237.62
R&D	Research project taken by UG/PG students	3	0.3	5	0.5	5	0.5	5	0.5	4	0.4	4	0.4	4	3.72	30	6.62
	Seed grants for research by faculty	3	0.5			3	0.5			2	0.3			2	0.3	10	3
	Research publications in engineering in referred journals	6	0.5	10	1	10	1	15	35	15	1.5	15	1.53	8	0.5	65	27.8
	Organnising conferences on R&D topics	3	3	3	3	8	8	8	8	8	8	5	5	6	6	116	11.98
	Patenting of technologies	2	0.25			2	0.5	2	0.5	4	1	2	0.5	2	1.55	42	5.3
	Others	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	28	7.8
	Sub - total	21	4.95	22	4.9	32	10.9	34	44.4	37	11.6	30	7.83	26	12.47	291	62.5
PSD	Enrollment of faculty with Btech for Mtech degree			2	0.5	2	0.5			4	1	4	1			12	3
	Enrollment of faculty with Btech for PhD degree	6	1					6	1			6	1			18	3
	Faculty training in subject domain	5	0.6			20	2.4			20	2.4			20	2.4	65	7.8
	Faculty training in pedagogy	6	0.5	12	1	25	4	16	1.98	12	1	25	2	20	1.5	116	11.98

	Organising inhouse training workshops in teaching/ research subjects	3	3	3	3	6	6	8	8	8	8	8	8	6	6	42	42
	Participation of faculty in outsation seminar/ Conferences/ workshops etc	30	2	20	3	20	3	30	4	32.67	6.33	30	4	35	2.75	205	10.09
	Training/ Development of technical/ supprot staff	15	1	15	1.5	20	3	20	3.5	20	3.5	10	1	15	2.5	115	16
	Others																
	Subtotal	65	8.1	52	9	93	18.9	80	18.48	96.67	22.23	83	17	96	15.15	573	93.87
Industry Institute Interaction	Collaborative academic programs: BE/ME/PhD with Industry	6	0.5	8	1	10	1.2	8	1	10	1.2	10	1.2	8	1	60	7.1
	Short term workshop with industry	1	0.5	2	1.5	4	2	4	2	4	2	4	2	2	1	21	11
	Academic networking with industry/research institutions including- exposure to	2	0.5			2	0.5			2	0.5			2	0.5	8	2
	Campus placement of graduates (UG & PG)	5	10	10	1.5	8	1	4	0.5	2	0.24	10	1.5	10	1.5	44	16.24
	Students internship at industry	5	10.96	12	0.8	12	0.8	12	0.8	12	0.8	12	0.8	12	0.8	72	15.76
	Joint activities with indusrty	3	1	2	0.5	4	1.5	4	1.5	4	1.5	4	1.5	4	1.5	25	9
	Others																
	Sub - total																61.1

Capacity development	Exposure/ Training of senior teching/ non teaching members in management capacity development	8	2	14	4.5	12	3.5	12	3.5	12	3.5	12	3.5	12	4.5	82	25
	Others																
	Sub-total																25
Reforms	Fee for NBA accreditation																
	Activity/ Innovation aiming at improvement in quality of education					1	6	1	6.5			1	6.87			3	12.5
	Others																
	Sub-total																12.5
Academic supprort for weak students	Support to academically weak students to enhancement their knowledge and skills	4	2	4	2	5	3	6	4	8	6	6	4	6	4	39	25
	Others																
	Sub-total																25
Incermental operating cost	IOC		8		10		15		32.93		16		20		20		121.93
	Grand Total																**1189.19**

ANNEXURE 01

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय, मप्र
एयर पोर्टबायपास,गांधी नगर,भोपाल – 462033

दूरभाष क. (0755) – 2734913 फैक्स (0755) – 2742006

विषय :– **राजीव गांधी प्रौद्योगिकी विश्वविद्यालय की वित्त समिति की बैठक दिनांक 06 मार्च, 2013 का कार्यवाही विवरण, कार्य परिषद् की बैठक दिनांक 11 मार्च, 2013 द्वारा अनुमोदित।**

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय की वित्त समिति की बैठक बुधवार, दिनांक 06 मार्च, 2013 को अपरान्ह 3: 00 बजे , प्रो.पीयूष त्रिवेदी, माननीय कुलपति, राजीव गांधी प्रौद्योगिकी विश्वविद्यालय की अध्यक्षता में उनके कक्ष में सम्पन्न हुई। उक्त बैठक का कार्यवाही विवरण निम्नानुसार है :–

बैठक में निम्नलिखित सम्मानीय सदस्य उपस्थित हुए :–

01. श्री प्रदीप उपाध्याय,उप सचिव,मध्यप्रदेश शासन, वित्त विभाग,मंत्रालय,वल्लभ भवन,भोपाल।
02. प्रो.व्ही.के.सेठी,राजीव गांधी प्रौद्योगिकी विश्वविद्यालय,भोपाल–विशेष आमंत्रित।
03. डॉ.ए.के.एस. भदौरिया, कुलसचिव, राजीव गांधी प्रौद्योगिकी विश्वविद्यालय,भोपाल।
04. डॉ. एस.सी.भूतड़ा, नियंत्रक वित्त, राजीव गांधी प्रौद्योगिकी विश्वविद्यालय,भोपाल ।

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय द्वारा वित्तीय वर्ष 2013 – 2014 में किये जाने वाले विभिन्न नवाचरी एवं विकास कार्यो पर संक्षिप्त टीप ।

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय, मध्यप्रदेश राज्य में तकनीकी शिक्षा की गुणवत्ता हेतु प्रतिबद्ध है । मध्यप्रदेश की तकनीकी शिक्षा में विश्वविद्यालय द्वारा पूर्व में भी विभिन्न नवाचारी एवं प्रगति परख कार्यक्रमों से परिचित कराया है । इसी श्रृंखला में आगामी वित्तीय वर्ष में विश्वविद्यालय द्वारा विभिन्न बहुउद्देश्यीय विकास कार्यो की योजना की जा रही है । जिसमें महत्वपूर्ण योजनाएँ निम्नानुसार है :–

किसी भी विश्वविद्यालय को उसके द्वारा किये जा रहे शोध, अभिनव प्रयोग एवं विकास कार्यो के द्वारा ही जाना जाता है । राजीव गांधी प्रौद्योगिकी विश्वविद्यालय अपने छात्रों एवं शिक्षकों के मध्य शोध एवं विकास की संस्कृति को बढ़ावा देने के लिए विभिन्न प्रोत्साहन कार्यक्रम प्रारम्भ करने जा रहा है ।

विश्वविद्यालय द्वारा स्नातक स्तर के विद्यार्थियों में नवीन अन्वेषण की संस्कृति को प्रोत्साहित करने के उद्देश्य से बेस्ट आवार्ड प्रदानकरने का निर्णय लिया गया है । बेचलर ऑफ इंजीनियरिंग

निर्णय :– वित्त समिति के सम्मानीय सदस्यों द्वारा उपर्युक्त प्रस्ताव का अवलोकन किया तथा अनुमोदन प्रदान किया ।

पूरक विषय कमांक – 02 शासन की सहायता से TEQIP-II के अंतर्गत 1250.00 लाख का अनुदान स्वीकृत है । जिसके विरूद्ध राशि रू. 200.01 लाख प्राप्त हुई है । जिसका विवरण संलग्न है प्राप्त राशि का उपयोग शीघ्र कर लिया जावेगा ।

निर्णय :– वित्त समिति के सम्मानीय सदस्यों द्वारा उपर्युक्त प्रस्ताव का अवलोकन किया तथा अनुमोदन प्रदान किया । स्वीकृत अनुदान राशि रू. 1250.00 लाख का उपयोग भारत सरकार/विश्व बैंक द्वारा निर्धारित की गाईड लाईन के अनुसार करने का अनुमोदन प्रदान किया ।

बैठक अध्यक्ष महोदय की प्रति धन्यवाद प्रस्ताव के साथ सम्पन्न हुई,

कुलसचिव
राजीव गांधी प्रौद्योगिकी विश्वविद्यालय
भोपाल ।