

**કૃષિ ઈજનેરી કોલેજ**  
નવસારી કૃષિ યુનિવર્સિટી  
પારસી ટેકરા, દેડીયાપાડા- ૩૯૩૦૪૯ જિ. નર્મદા

એસ. પી. શુક્લા  
આચાર્ય



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જા.ન. કૃષકો/દેડીયા/પરિપત્ર/૯૪૭/૨૦૧૪

તા.૧૩/૦૮/૨૦૧૪

**પરિપત્ર**

આથી સંબંધકર્તા સર્વેને જણાવવાનું કે, નવસારી કૃષિ યુનિવર્સિટી, નવસારીની તા. ૧૮/૦૭/૨૦૧૪ ના રોજ નવસારી ખાતે મળેલ વિદ્યાપરિષદની ૨૯ મી બેઠકના મુદ્દા નંબર ૨૯.૧૨ થી નીચે મુજબનો ઠરાવ કરવામાં આવેલ છે.

"It is resolved to declare Principal, College of Agricultural Engineering, Dediapada as the Dean of the Faculty of Agricultural Engineering & Technology, NAU." as per GAU Act. 2004 vide item No. 8(iv) & 13

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**નકલ સવિનય રવાના:**

- ૧) વિદ્યાપરિષદના તમામ સભ્યશ્રીઓ તરફ
- ૨) કુલસચિવશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૩) સંશોધન નિયામકશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૪) સર્વે આચાર્ય અને વિદ્યાશાખાધ્યક્ષશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૫) સર્વે યુનિટ હેડ/યુનિટ અધિકારીશ્રીઓ તરફ

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"Resolved to put-up the Post Graduate centre on Post Harvest Technology and Process Engineering from the Dean, Horticulture, Navsari to the Dean, Agricultural Engineering and Technology, NAU., Dediapada for academic and technical purpose."

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- ૪) સર્વે આચાર્ય અને વિદ્યાશાખાધ્યક્ષશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૫) સર્વે યુનિટ હેડ/યુનિટ અધિકારીશ્રીઓ તરફ

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"It is resolved to adopt the mode of evaluation as per the Rule – 37 of Common Regulation for SAU's of Gujarat as per Appendix IV from academic year 2014-15."

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- ૩) સંશોધન નિયામકશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૪) સર્વે આચાર્ય અને વિદ્યાશાખાધ્યક્ષશ્રી, નવસારી કૃષિ યુનિવર્સિટી, નવસારી
- ૫) સર્વે યુનિટ હેડ/યુનિટ અધિકારીશ્રીઓ તરફ

## APPENDIX –III

### B. Tech. Agril Engineering

#### Existing

#### SYSTEM OF EVALUATION

8.1 The mode of evaluation through the different type of examination and weightage for each course shall be as under :

Nature of Evaluation	Courses taught in theory only	Courses taught in practical	Courses taught in theory & practical both	
			Theory	Practical
1.Continuous evaluation through assignment, quizzes, periodical tests, etc. during the semester by the course teacher.	50 %	50 %	20 %	---
2.Practical evaluation at the end of course work by the course teacher.	---	50 %	---	30 %
3. Semester end evaluation at college level.	50%	--	50%	--

8.2 EVALUATION SHALL BE MADE AS SHOWN BELOW

- (i) The number and mode of assignments, tests etc., shall be determined by the committee of Dean / Principal from time to time.
- (ii) A student shall not be permitted to appear at the semester end examination of a particular course(s), if the concerned teacher/ teachers report that his/her academic performance is not satisfactory and/or that he / she has not satisfactorily carried out the laboratory, field / in- plant training, practical during the semester and /or he / she has not been regular in attending classes. His / her absence from the semester classes. His/her absence from the semester end examination on this account shall be considered trial and will have to repeat that course. He/ she will be eligible to take the remaining three trials only after repeating the course(s) as and when they are offered.
- (iii) A student shall not be permitted to appear in the semester end examination of a particular semester if he/ she fails to satisfactorily complete his/her field / in-plant training and / or educational tour etc.

8.3 The evaluation made by the teachers/examiners in all examinations of a course shall be recorded in total score, score/weighted score and grade point. The following marking shall also be shown by the teachers / examiners / university in the students' performance evaluation report.

<b>Grade</b>	<b>Significance</b>	<b>Value</b>	<b>Remarks</b>
Ab	<i>Absence</i>	-	For those students who do not appear in Internal/External Examination without giving any reason.
W	Withdrawn	-	For those who do not appear at semester end examination due to unforeseen circumstances as certified by the Dean/ Principal (in very exceptional cases only).
I	Incomplete	-	Candidates not permitted to appear at the semester end examination. As per item 8.2 (ii).
R	Repeat	-	To be shown by university in evaluation report and transcript in case of course repeated and cleared.
S	Satisfactory	-	For NCC, NSS, Physical education intensive,
US	Unsatisfactory	-	<b>non-credit courses and study tour.</b>

Note: Grade Point "S" or "US" shall have no significance in calculating G.P.A./ C.G.P.A. / O.G.P.A.

8.4 A student who fails to appear in any of the examinations (at least one hourly theory test, semester end examination) either in theory and / or in practical shall be marked "Ab" (absent) and the value of "Ab" is to be taken as zero. He / she shall be given grade(s) in such course(s) with zero value for the absence in the examination in which he /she fails to appear.

(i) A student shall not be permitted to appear in the semester end examination of a particular course / courses if he / she fails to appear in at least in one hourly theory test and in practical test / examination of internal evaluation as well as not submitted the examination form along with fees within a prescribed time limit.

Explanation : Internal evaluation means – One hour theory tests and practical examinations as considered by the Principal of the college.

(ii) It is compulsory for the student to appear in the semester end examinations (both theory and practical) to earn grade(s) in the course(s), except he / she is not permitted to appear in the semester end examination.

8.5 There shall be no makeup examination for the semester end examination.

8.6 The students obtaining 5.00 or more grade point in a course shall be deemed to have cleared that course and those obtaining less than 5.00 grade point or "W" or "Ab" grade shall be required to clear in that course subsequently. It will be obligatory for the students to earn "S" grade for all non-credit courses in order to be eligible for the award of the degree.

8.7 Grade point average (G.P.A.) is the sum of products of credits of the courses and the respective grade points obtained in these courses divided by the total number of credits of the different courses offered in the semester.

The cumulative grade point average (C.G.P.A.) is the weighted average of G.P.A. of all the semester attended, the G.P.A. being weighted by the credit loads of the

respective semester.

The cumulative grade point average obtained at the end of the final semester is the overall grade point average (O.G.P.A.) of the candidate.

$$\text{G.P.A.} = \frac{(\text{Credits} \times \text{Grade Points})}{\text{Total Credits}}$$

- 8.8 The award of classes will be based on the O.G.P.A. (Overall Grade Point Average) obtained by the candidates and will be governed by the following criteria.

**Grade point**

**Class**

Less than 5.00

5.00 - 5.49

5.50 - 6.49

6.50 - 7.49

7.50 and above

Pass class

Second class

First class

First class with distinction

The class earned by a candidate shall be indicated in his degree certificate.

- 8.9 Verification of the grade awarded will be permitted by a Registrar on payment of a fees as prescribed by the University.
- 8.10 Maximum time limit to obtain degree of B.Tech. (Agril. Engg.) after first registration is 8 years.

**APPENDIX –IV**

System of Evaluation as per common Regulation Rule-37 for for SAU's Under Graduate Course

<b>Rule-37.0 System of Evaluation.</b>		
37.1	The evaluation of a student shall be carried out on the basis of the number and mode of assignments, periodical tests, semester-end examination, etc., as may be laid down by the committee of Dean / Principals from time to time.	
37.2	The mode of evaluation through the different types of examination and weightage for each course shall be as follows;	
	(a) The question paper for semester end theory examination for all the colleges of Agricultural Universities of Gujarat will be common, where the number of College is more than one.	
	(b) The course teacher of each university will jointly draw question paper of particular course. Among the concerned teachers, anyone of them will be appointed as convener.	
	(c) The semester end examination evaluation will be done jointly by the course teachers of State Agricultural Universities of Gujarat.	
37.3	The mode of evaluation through the different types of examination and weightage for each course shall be as follows;	
A.	Courses having theory and practical	
	Nature of Evaluation	
I	Internal Examination	Marks
	Two tests each of one hour duration and 10 marks	20
	Practical examination by a course teacher	20
II	Semester-end Examination	
	Theory examination	80
	Practical examination	80
B.	Courses having theory only	
	Internal Examination	20
	Semester-end Examination	80
C.	Courses having practical only	
	Internal Examination	20
	Semester-end practical examination	80
Note : The course teacher will carry out the internal evaluation through different examination of theory and practical for each course as the case may be		

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"Resolved to adopt the revised course curriculum for Diploma in Agricultural Engineering as given in Appendix-II from the academic year 2014-15.

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**APPENDIX-I****List of courses Taught to B. Tech. (Agril. Engg.) in Ist and IInd Semesters**

<b>B.Tech. (Agril. Engg.) Semester - 1</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>Total Credits</b>	<b>Lecture</b>	<b>Practical</b>	<b>Tutorial</b>
Maths (E)-101	Engineering Mathematics-I	3(2+1)	2	0	1
Phy (E)-101	Engineering Physics	3(2+1)	2	1	0
Chem (E)-101	Engineering Chemistry	3(2+1)	2	1	0
FMP - 101	Workshop Practice	1(0+1)	0	1	0
RE - 101	Applied Electronics and Instrumentation	3(2+1)	2	1	0
FMP - 103	Engineering Drawing	2(0+2)	0	2	0
ES - 101	Environmental Science	3(3+0)	3	0	0
PFE - 101	Computers Programming and Data Structures	3(1+2)	1	2	0
Eng (E) - 101	English	2(1+1)	1	0	1
PHY. EDU. 101	PHY, EDU / NCC / NSS (Non Credit Course)	1(0+0)	0	0	0

<b>B.Tech. (Agril. Engg.) Semester - 2</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>Total Credits</b>	<b>Lecture</b>	<b>Practical</b>	<b>Tutorial</b>
Maths (E)-102	Engineering Mathematics-II	3(2+1)	2	0	1
PFE - 102	Electrical Circuits	3(2+1)	2	1	0
RE - 102	Surveying and Leveling	3(1+2)	1	2	0
Agri (E) - 102	Agriculture for Engineers	4(3+1)	3	1	0
FMP - 102	Workshop Technology	3(2+1)	2	1	0
FMP - 104	Engineering Mechanics	3(2+1)	2	1	0
FMP - 106	Thermodynamics and Heat Engines	4(3+1)	3	1	0
PHY.EDU.102	Phy.Edu/NCC/NSS(Non Credit Course)	1(0+0)	0	0	0

**List of Existing and Revised Courses for Polytechnic Agricultural Engineering**

**Semester I**

<b>Existing</b>			<b>Revised Proposed</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits (T+P=T)</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits (T+P=T)</b>
HBS-1.1.1	Communication Skills-I	2+0=02	HBS-1.1.1	English	1+1*=02
HBS-1.1.2	Applied Mathematics-I	4+0=04	HBS-1.1.2	Applied Mathematics	4+0=04
HBS-1.1.3	Applied Physics	2+1=03	HBS-1.1.3	Applied Physics	2+1=03
HBS-1.1.4	Applied Chemistry	2+1=03	HBS-1.1.4	Engineering Chemistry	2+1=03
AGS-1.1.5	Agricultural Botany	2+1=03	AGS-1.1.5	Agriculture For Engineers	3+1=04
FMP-1.1.6	General Workshop Practice - I	1+2=03	FMP-1.1.6	Workshop Practice	0+1=01
	NSS/NCC/Phy. Edu. (Non-Credit)		REE-1.1.7	Environmental Science	3+0=03
				NSS/NCC/Phy. Edu. (Non-Credit)	
<b>Total Credits</b>		<b>13+5=18</b>	<b>Total Credits</b>		<b>15+5=20</b>
<b>* Tutorial</b>					

**Semester II**

<b>Existing</b>			<b>Revised Proposed</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits (T+P=T)</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits (T+P=T)</b>
HBS-1.2.1	Communication Skills -II	2+0=02	HBS-1.2.1	Communication Skills	2+0=02
HBS-1.2.2	Applied Mathematics-II	4+0=04	HBS-1.2.2	Engineering Mathematics - I	2+1*=03
FMP-1.2.3	Engineering Drawing	0+2=02	FMP-1.2.3	Engineering Drawing	0+2=02
FMP-1.2.4	Applied Mechanics	2+1=03	FMP-1.2.4	Engineering Mechanics	2+1=03
SWE-1.2.5	Surveying and Levelling	2+1=03	SWE-1.2.5	Surveying and Leveling	1+2=03
FMP-1.2.6	General Workshop Practice-II	1+2=03	HBS-1.2.6	Engineering Physics	2+1=03
	NSS/NCC/Phy. Edu. (Non-Credit)	-	REE-1.2.7	Basics of Electrical Engineering**	2+2=04
				NSS/NCC/Phy. Edu. (Non-Credit)	
<b>Total Credits</b>		<b>11+6=17</b>	<b>Total Credits</b>		<b>11+9=20</b>
<b>* Tutorial</b>					

\*\* shifted from III Semester to Second Semester of Polytechnic Agricultural Engineering

### Semester III

Existing			Revised Proposed		
Course Code	Course Title	Credits (T+P=T)	Course Code	Course Title	Credits (T+P=T)
AGS-2.1.1	Crop Production	2+1=03	HBS-2.1.1	Engineering Mathematics - II	2+1*=03
SWE-2.1.2	Water Resources Engineering	2+1=03	SWE-2.1.2	Water Resources Engineering	2+1=03
HBS-2.1.3	Computer Applications in Agricultural Engineering	1+1=02	HBS-2.1.3	Computers Programming and Data Structures	1+2=03
FMP-2.1.4	Manufacturing Technology - I	2+1=03	FMP-2.1.4	Thermodynamics and Heat Engines	3+1=04
SWE-2.1.5	Soil and Water Conservation Engineering	2+1=03	SWE-2.1.5	Soil and Water Conservation Engineering	2+1=03
REE-2.1.6	Basics of Electrical Engineering**	2+2=04	REE-2.1.6	Electrical Circuits	2+1=03
FMP-2.1.7	Farm Power Engineering	2+1=03	FMP-2.1.7	Farm Power Engineering	2+1=03
	NSS/NCC/Phy. Edu. (Non-Credit)			NSS/NCC/Phy. Edu. (Non-Credit)	
<b>Total Credits</b>		<b>12+9=21</b>	<b>Total Credits</b>		<b>14+8=22</b>
<i>* Tutorial</i>					

### Semester IV

Existing			Revised Proposed		
Course Code	Course Title	Credits (T+P=T)	Course Code	Course Title	Credits (T+P=T)
FMP-2.2.1	Farm Machinery and Implements	3+1=04	FMP-2.2.1	Farm Machinery and Implements	3+1=04
REE-2.2.2	Non Conventional Energy Sources	2+1=03	REE-2.2.2	Non Conventional Energy Sources	2+1=03
APE-2.2.3	Post Harvest Technology	3+1=04	APE-2.2.3	Post Harvest Technology	3+1=04
AGS-2.2.4	Crop Protection	2+1=03	REE-2.2.4	Applied Electronics and Instrumentation	2+1=03
FMP-2.2.5	Manufacturing Technology - II	2+1=03	FMP-2.2.5	Workshop Technology	2+1=03
SWE-2.2.6	Irrigation Technology	3+1=04	SWE-2.2.6	Irrigation Technology	3+1=04
FMP-2.2.7	Machine Drawing	0+2=02	FMP-2.2.7	Machine Drawing	0+2=02
	NSS/NCC/Phy. Edu. (Non-Credit)			NSS/NCC/Phy. Edu. (Non-Credit)	
<b>Total Credits</b>		<b>16+7=23</b>	<b>Total Credits</b>		<b>16+7=23</b>

**Semester – V** No Change in Course

**Semester – VI** No Change in Program