

Proceedings of 2<sup>nd</sup> Meeting of Post Graduate Research Approval Group – Crop Improvement, NAU, Navsari

Date: 06/01/2020

### Proceedings of 2<sup>nd</sup> Meeting of Post Graduate Research Approval Group – Crop Improvement, NAU, Navsari

Second meeting of PG-RAG of crop improvement group of NAU, Navsari was held on 27<sup>th</sup> December, 2019 at the conference hall, Main Sugarcane Research Station, NAU, Navsari.

At the beginning, Dr. K. G. Modha, Associate Professor, Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari hosted the meeting and welcomed all the dignitaries, members as well as newly admitted post graduate students of the crop improvement group. Dr. R. K. Patel, Convener of PG-RAG and I/c. Professor and Head, Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari welcomed Dr. M. K. Arvadia, Principal, NMCA, NAU, Navsari, Dr. C. G. Intwala, Research Scientist, Main Sugarcane Research Station, NAU, Navsari welcomed Dr. R. M. Patel, Principal, ASPEE Shakilam Biotechnology Institute, NAU, Surat and Prof. Sagar Jadav, Assistant Professor (Crop Physiology), Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari welcomed Dr. R. K. Patel, Convener of PG-RAG and I/c. Professor and Head, Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari with floral bouquet. In his welcome remarks, Dr. R. K. Patel, Convener of PG-RAG and I/c. Professor and Head, Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari, addressed the house regarding outline of the second meeting of PG-RAG and by describing PG-RAG as a part of another PG academic programme he requested positive and constructive feedback from the different expertise of different disciplines available in the house to design the timely and purposeful research outline of 50 PG students including 3 M. Sc. (Agri.) and 1 Ph. D. student of Plant Molecular Biology and Biotechnology, 1 M. Sc. (Agri.) and 1 Ph. D. student of Crop Physiology and 33 M. Sc. (Agri.) and 11 Ph. D. students of Genetics and Plant Breeding. He has also given weightage to cover some aspects of research work related to minor subject along with the major subject. He also requested the members of crop improvement group to recommend, if any changes are required in the list of external examiners for evaluation of thesis. After his address, newly appointed members of crop improvement group also introduced themselves.

### Review of Action Taken Report:-

Chairman	:	Dr. M. K. Arvadia	Rapporteurs	:	Dr. Madhu Bala
Co-chairman	:	Dr. R. M. Patel		:	Dr. H. K. Joshi

The action taken report of 1<sup>st</sup> meeting of PG-RAG of crop improvement group was presented by **Dr. R. K. Patel**, Convener of PG-RAG and I/c. Professor and Head, Department of

rovement Group

Genetics and Plant Breeding, NMCA, NAU, Navsari. As per the report, all PG guides have properly taken care of all the suggestions which were made in 1<sup>st</sup> meeting of PG-RAG of crop improvement group and it was also incorporated in the concerned PG research programme. Finally, the house has accepted the action taken report with the permission of chairman and co-chairman.

Principal, ASPEE Shakilam Biotechnology Institute, NAU, Surat, in his opening remarks Dr. R. M. Patel, invited good inputs and fruitful suggestions from all three faculties of crop improvement group to give good shape to research programme for the betterment of the future of the respective crops so that the better information can be made available to address the issues of the farmers. Dr. M. K. Arvadia, Principal, NMCA, NAU, Navsari, congratulated whole crop improvement group for excellent performance in last five years and for this he also quoted the inspirational support of honorable vice chancellor Dr C. J. Dangaria and hard work of young and dedicated scientists for release of varieties in good number. In context to PG-RAG, he congratulated all the major guides for in-time completion of degrees of more than 90 % of the students in the previous year and again he has given weightage on keen interaction and involvement of major guide for deciding research programme in the current year. He recommended to incorporate the suggestions made in this meeting in the synopsis and submit it well in advance before the end of second semester. He also emphasized on following the timely procedure for submission of thesis for all the dispatch formalities that has to be done by principal office via proper channel. At last, he wished all the good luck for successful construction of PG Research programme.

#### Technical Session-I

# Research proposals of P.G. students of Dept. of Plant Molecular Biology and Biotechnology, Crop Physiology as well as Genetics and Plant Breeding:

Chairman	: Dr. R. M. Patel (PMBB)/	Rapporteurs :	PMBB Group:
·	Dr. R. K. Patel (GPB)		Dr. C. V. Kapadia/ Dr. K. P. Suthar
Co-chairman	: Dr. Sanjay Jha (PMBB)/	] <u> </u>	GPB Group:
	Dr. P. B. Patel (GPB) Dr. D. A. Chauhan (GPB)		Dr. Madhu Bala/ Dr. H. K. Joshi

The research work proposals of P.G. students of subjects Crop Physiology, Plant Molecular Biology and Biotechnology and Genetics and Plant Breeding, NMCA, NAU, Navsari were presented before the house.

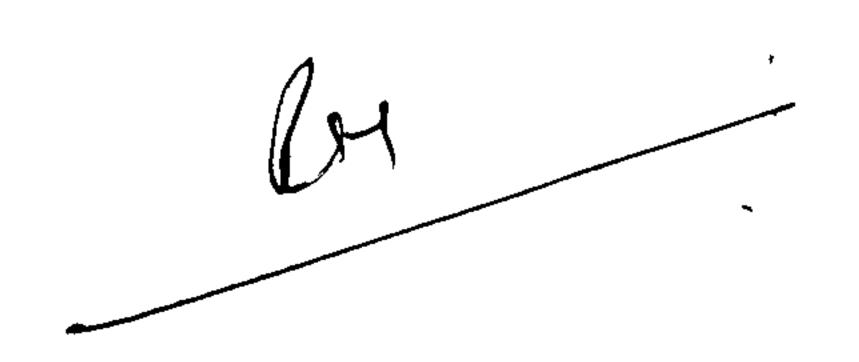
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### Approved research proposals of Ph. D. student of subject of Crop Physiology with corrective suggestions made by the house:

No.	Name of student	Research Topic	Suggestions
1.	Baldaniya Vipulkumar Gobarbhai Reg. No 1010119002 Major Guide: Dr. A. V. Narwade	"Characterization of rice (Oryza sativa L.) genotypes for yield and nutritional traits"	<ol> <li>Experiment should be done without soil and foliar Zn application</li> <li>Remove gene specific primers in molecular analysis</li> </ol>

### Approved research proposals of M. Sc. student of subject of Crop Physiology with corrective suggestions made by the house:

No.	Name of student	Research Topic	Suggestions
	Baraiya Shubham Jivanbhai Reg. No 2010119010 Major Guide: Dr. Kamal Kant	biochemical effects on source and sink relationship in direct seedling rice under	<ol> <li>The title should be "Morpho-physiological and biochemical effects on source and sink relationship in direct seeded rice under deficit of water"</li> <li>Remove the observation effective panicle number and number of panicle</li> <li>Add the observation number of panicle per plant</li> <li>Write the units for all observations</li> <li>In design use word repetitions instead of replication</li> <li>The experiments should be conducted with 10 varieties and, varieties needs to be finalized after consultation with rice breeder</li> <li>Factor 2 should be as follow:         <ul> <li>T<sub>1</sub>- Tillering stage</li> <li>T<sub>2</sub>:- At the time of flowering initiations</li> </ul> </li> </ol>



## Approved research proposals of <u>Ph. D. student</u> of subject of <u>Plant Molecular Biology and Biotechnology</u> with corrective suggestions made by the house:

No.	Name of student	Research Topic	Suggestions
1.	Bhatt Kunj Dilipbhai		1) The title should be" Phytochemical assisted synthetic approaches for
	Reg. No 1010119003	synthetic approaches for	nanoparticles and their application in tomato"
	Major Guide:	nanoparticles and their	2) Specify the metal material used for synthesis of nanoparticle
	Dr. Sanjay Jha	application in agriculture"	3) Specify the plant species to be used in the experiment
	Dr. Sangay ona	application in agriculture	4) The following pathogens should be included in study: early blight, late
			blight and Fusarium wilt

# Approved research proposals of M. Sc. students of subject of Plant Molecular Biology and Biotechnology with corrective suggestions made by the house:

No.	Name of student	Research Topic	Suggestions
	Chaudhari Khusbuben Navinbhai Reg. No 2010119019 Major Guide: Dr. C. V. Kapadia	"Construction of chimeric protein with domain comprising of laccase, xylanase and pectin esterase in <i>Bacillus</i> "	13) The statistical normators with mean remove and evening the statistical later in 1.1.1
2.	Hadiya Vasanben Jeenabhai Reg. No 2010119034 Major Guide: Dr. K. P. Suthar	uptake and translocation in rice"	<ol> <li>Change the title as "Molecular characterization of Zn uptake and translocation in rice"</li> <li>Recast the objectives as follow:         <ol> <li>To study the physiological aspect of Zn uptake and translocation in rice.</li> <li>To study the biochemical basis of Zn uptake and translocation in rice.</li> <li>To study the molecular aspect of Zn uptake and translocation in rice.</li> </ol> </li> <li>The qRT-PCR analysis should be done at grain filling stage only.</li> <li>The experiment should be conducted with six replications.</li> </ol>

No.	Name of student	Research Topic	Suggestions
3.	Kachhadia Rinkal	"Detection of quorum	1) Add plant assay in experiment.
	Jitendrabhai	quenching signal molecules	
	Reg. No2010119038	and identification of	
	Major Guide:	enzymes against Erwinia	
	Dr. C. V. Kapadia	carotovora"	

At the closing remarks of the first session, chairman Dr. R. M. Patel appreciated the research programmes presented by crop physiology and PMBB students and valued the good inputs given by the house in designing the same in context to farming community. In addition to this, he suggested to take prior advice of statistician before formulating the research outline and also given weightage to follow common format of presentation for PG research proposal.

### Approved research proposals of <u>Ph. D. students</u> of subject of <u>Genetics and Plant Breeding</u> with corrective suggestions made by the house:

No.	Name of student	Research Topic	Suggestions
	Chaudhary Ankitkumar Raghajibhai Reg. No 1010119005 Major Guide: Dr. P. M. Mistry	"Generation mean analysis for yield and its attributes and molecular characterization for protein content in rice [Oryza sativa (L.)]"	10) Grain length (mm) 11) Grain breadth (mm)
2.	Dela Gulammohammad Jumabhai Reg. No1010119008 Major Guide: Dr. H. E. Patil		<ol> <li>Title should be written in sentence case.</li> <li>3<sup>rd</sup> Location for evaluation KVK, Dediyapada should be removed.</li> <li>In observations to be recorded, Quantitative characters should be replaced with Morphological characters and Qualitative characters should be replaced with Quality characters.</li> <li>Observations 12<sup>th</sup>, 16<sup>th</sup>,18<sup>th</sup>,19<sup>th</sup> and 20<sup>th</sup> should be written as         <ul> <li>(12) Chlorophyll content (mg/ 100 g fresh weight)</li> <li>(16) Mineral matter (mg/100g)</li> <li>(18) Iron content (mg/100g)</li> <li>(19) Calcium content (mg/100g)</li> <li>(20) Ash content (mg/100g)</li> </ul> </li> </ol>
3	Dodake Manisha Malhari Reg. No1010119011 Major Guide: Dr. C. G. Intwala	"Genetic analysis of yield and its attributes over environments in Rice (Oryza sativa L.)"	1) 1 <sup>st</sup> objective should be written as "To study the nature and magnitude of genetic variance for grain yield and
4.	Megha L M Reg. No 1010119018	"Comparative gene expression analysis for growth habit and photoperiod	NIL

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No.	Name of student	Research Topic	Suggestions
	Major Guide: Dr. K. G. Modha	responsive flowering in Indian Bean [Lablab purpureus (L.) Sweet]"	
5.	Patel Krinaben Natvarbhai Reg. No1010119024 Major Guide: Dr. P. B. Patel	"Generation mean analysis for yield, its component and molecular characterization of bacterial leaf blight resistance in rice (Oryza sativa L.)"	"Generation mean analysis for yield, its components and molecular characterization of bacterial leaf blight resistance in rice (Omega sering I.)"
6.	Patel Sheetal Ramesh Reg. No 1010119028 Major Guide: Dr. R. K. Patel	"QTL mapping for drought tolerance at reproductive stage in Rice (Oryza sativa L.)"	NIL
	Raval Kalpesh Reg. No 1010119037 Major Guide: Dr. A. I. Patel	productivity over environments in Eggplant	"Genetic studies for fruit yield and its components over environments in
8.	Sanyam Patel Reg. No 1010119039 Major Guide: Dr. R. K. Patel	blast resistance by QTL	<ol> <li>In artificial inoculation Magnaporthe grisea should be written as Magnaporthe oryzae.</li> <li>Need not prove the pathogenicity, work should be done on single identified race for blast.</li> <li>Reference for Phenotyping scale IRRI, 1996 should be replaced with IRRI, 2013.</li> <li>2nd objective should be written as "Validation of QTLs associated with leaf blast resistance in rice"</li> </ol>



No.	Name of student	Research Topic	Suggestions
			5) 15 <sup>th</sup> observation should be written as (15) Disease severity index (%)
9.	Satasiya Pratik Nareshbhai Reg. No 1010119040 Major Guide: Dr. R. K. Patel	"Genetic analysis and QTL mapping for salinity tolerance in rice ( <i>Oryza sativa</i> L.)"	NIL
10.	Sharma Deepak Dinesh Reg. No 1010119041 Major Guide: Dr. V. P. Patel	"Identification and characterization of fertility restorers for different cytoplasmic sources in rice (Oryza sativa L.)"	NIL
11.	Ujjval Solanki Reg. No 1010119047 Major Guide: Dr. S. R. Patel	"Diallel Analysis for Fruit Yield and its components over the environment in Brinjal (Solanum melongena L.)"	"Diallel analysis for fruit yield and its components over environments in Brinjal (Solanum melongena L.)"

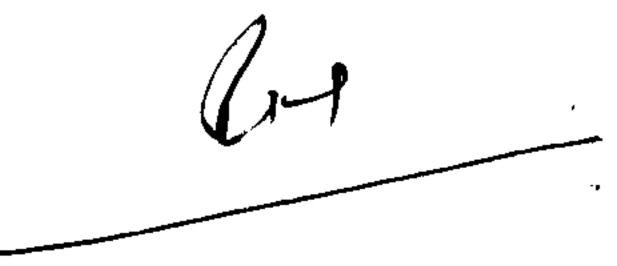
## Approved research proposals of M. Sc. students of subject of Genetics and Plant Breeding with corrective suggestions made by the house:

No.	Name of student	Research Topic		Suggestions
1.	Aishwarya B Kathad Reg. No 2010119002 Major Guide: Dr. Rehana Niyaria	<b>I</b>	3)	Title should be written in sentence case.  2 <sup>nd</sup> and 3 <sup>rd</sup> objective should be merged and written as  "Molecular profiling to identify sex specific DNA markers,"  4 <sup>th</sup> objective should be written as  "To identify sex specific protein based markers."  In molecular profiling to identify sex specific DNA markers there is no need to mention no. of primers.
2.	Akshata Reg. No 2010119003 Major Guide: Dr. C. G. Intwala	"Characterization and validation of <i>TFL</i> locus responsible for growth habit and stability analysis for yield attributes in cowpea [ <i>Vigna unguiculata</i> L.]"		1 <sup>st</sup> objective should be written as "To assess the stability of genotypes at different time isolations."
3.	Bagadiya Parth Ghanshyambhai Reg. No 2010119006 Major Guide: Dr. C. G. Intwala	"Genetic Variability, Correlation and Path coefficient Analysis in F <sub>2</sub> generation of Vegetable Okra [Abelmoschus esculentus (L.) Moench]"	2)	Title should be written as "Genetic variability, correlation and path coefficient analysis in F <sub>2</sub> generation of Okra [Abelmoschus esculentus (L.) Moench]" At least four crosses should be included in research.
4.	Bandaru Sriram Kumar Reg. No 2010119008 Major Guide: Dr. S. C. Mali	1	1 1	Title should be written in sentence case.  1 <sup>st</sup> objective should be written as  "Estimation of heterosis over standard commercial check."



No.	Name of student	Research Topic	Suggestions
5.	Bhambhana Sandip Harsukhbhai Reg. No 2010119013 Major Guide: Dr. Rehana Niyaria		<ol> <li>In 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> objectives seed yield should be replaced with fruit yield.</li> <li>"No. of" should be removed from 5<sup>th</sup>, 11<sup>th</sup> and 14<sup>th</sup> observations.</li> <li>9<sup>th</sup> observation Fruit width (mm) should be replaced with Fruit weight (g).</li> <li>12<sup>th</sup> observation should be written as "Fruit yield per plant (g)."</li> </ol>
6.	Bhatiya Sanjay Ala Reg. No 2010119014 Major Guide: Dr. J. P. Makati	"Genetic analysis for quantitative traits in rice (Oryza sativa L.)"	1) No. of parents to be used in half diallel should be reduced.
7.	Chaudhary Chetankumar Prahladji Reg. No 2010119021 Major Guide: Dr. V. D. Pathak		"Induction of variability in Sorghum [Sorghum bicolor (L.) Moench]
8.	Gabriel Darlong Reg. No 2010119024 Major Guide: Dr. R. K. Patel	"Genetic analysis for quantitative traits in Sesame (Sesamum indicum L.)"	1) 7 <sup>th</sup> observation should be written as 1000 seed weight.
9.	Ganvit Kalyaniben Jayram Reg. No 2010119028 Major Guide: Dr. D. H. Patel	"Evaluation of Recombinant Inbred Line in cotton ( <i>G. hirsutum</i> L.) for Jassids Tolerance and Morphological Characters"	jassid tolerance and morphological characters in cotton [Gossypium

No.	Name of student	Research Topic	Suggestions
10.	Gopi M Patel Reg. No 2010119032 Major Guide: Dr. B. H. Kale	"Variability, Correlation and Path analysis in F <sub>5</sub> progenies of Indian bean ( <i>Lablab purpureus</i> (L.) sweet) for yield and its contributing traits"	1) Title should be written in sentence case.
11.	Himansuman Reg. No 2010119036 Major Guide: Dr. P. B. Patel	"Genetic analysis for yield, its components and BLB resistance in Rice [Oryza sativa L.]"	NIL
12.	Katariya Hardik Bachubhai Reg. No 2010119042 Major Guide: Dr. K.G.Modha	"Genetic architecture of advanced segregating generation for yield and its attributing traits in Indian bean [Lablab purpureus (L.) Sweet]"	Tenov mosare virus merce (70).
13.	Khandhar Nayankumar Rameshbhai Reg. No 2010119046 Major Guide: Dr. P. K. Jagtap	"Genetic variability and Diversity studies in sunflower germplasm"	<ol> <li>Title should be written as         "Genetic variability and diversity studies in Sunflower [Helianthus annus (L.)]</li> <li>Objective should be added         "To determine the selection indices."</li> <li>"No. of" should be removed from 5<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> observations.</li> </ol>
14.	Kyada Amitkumar Dilipbhai Reg. No 2010119051 Major Guide: Dr. B. H. Kale	"Variability studies in late segregating generation (F <sub>5</sub> ) of determinate progenies for yield and its attributes in Indian bean [Lablab purpureus (L.) Sweet]"	



No.	Name of student	Research Topic	Suggestions
15.	Madam Ankitkumar Arjanbhai Reg. No 2010119053 Major Guide: Dr. Manju Singh	"Genetic analysis for quantitative traits in Fennel (Foeniculum vulgare Mill.)"	NIL
16.	Mahla Nimish Uttambhai Reg. No 2010119055 Major Guide: Dr. P. K. Jagtap	"Estimation of Genetic variability and diversity parameters in Sesame (Sesamum indicum L.)"	<ol> <li>Title should be written as         "Genetic variability and diversity parameters in Sesame (Sesamum indicum L.)"</li> <li>Objective should be added         "To determine the selection indices"</li> <li>"No. of" should be removed from 4<sup>th</sup> and 5<sup>th</sup> observations.</li> <li>In observations 10<sup>th</sup> and 13<sup>th</sup> gm should be written as g.</li> <li>Observation should be added "Capsules per cluster"</li> </ol>
17.	Makwana Trushti Maganlal Reg. No 2010119056 Major Guide: Dr. G. O. Faldu	markers linked to fertility restoration on morphological and molecular basis and	restoration in <i>rabi</i> Sorghum [Sorghum bicolor (L.) Moench]"  2) 1 <sup>st</sup> objective is to be removed  3) 5 <sup>th</sup> objectives should be should be written as
18.	Mulugu Jwala Pranti Reg. No 2010119059 Major Guide: Dr. R. S. Bhakta	"Genetic study in Groundnut (Arachis hypogaea L.)"	
19.	Padsala Dhruv Babubhai Reg. No2010119066 Major Guide:	"Genetic Variability, Correlation and Path Analysis in F <sub>5</sub> determinate progenies for yield and its component	

No.	Name of student	Research Topic	Suggestions
		traits in Indian bean [Lablab purpureus (L.) Sweet]"	
20.	Parmar Janmraj Dadubha	"Diallel Analysis for Seed Yield and it's Components in Maize (Zea mays L.)"	<ol> <li>Title should be written as "Diallel analysis for seed yield and its components in Maize [Zea mays (L.)"]</li> <li>Objective should be written as following         <ul> <li>(1) To study the magnitude of heterosis for yield and its components.</li> <li>(2) To study general combining ability of parents and specific combining ability of hybrids.</li> <li>(3) To identify magnitude of gene action for yield and yield components.</li> </ul> </li> <li>Analysis should be done only with Griffing's numerical approach.</li> <li>Hybrid check should be added.</li> <li>"No. of" should be removed from 4<sup>th</sup>, 5<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> observations.</li> <li>7<sup>th</sup> observation should be written as "Cob diameter (cm)".</li> <li>11<sup>th</sup> observation should be written as "Grain yield per plant (g)"</li> <li>12<sup>th</sup> observation should be removed "Grain yield per ha (t/ha)"</li> <li>Observation should be added "Days to maturity"</li> </ol>
21.	Parmar Nilesh Dalsukhbhai Reg. No 2010119072 Major Guide: Dr. G. O. Faldu	"Genetic analysis of morphological, biochemical and quality traits in G. hirsutum L. cotton"	
22.	Patel Charmikumari Sureshbhai Reg. No 2010119076 Major Guide: Dr. B. K. Davda	of molecular markers linked to fertility restoration through morphological and molecular	<ul> <li>"Fertility restoration studies through morphological and markers in grain Sorghum [Sorghum bicolor (L.) Moench]"</li> <li>2) 1<sup>st</sup> objective is to be removed.</li> <li>3) 5<sup>th</sup> objectives should be should be written as "To estimate combining ability and gene action for yield and its attributes."</li> </ul>

24.	Patel Dhrumil Parsotambhai Reg. No 2010119077 Major Guide: Dr. K. G. Modha Patel Disha Rajanikant	"Variability Studies in "Wal" type determinate F <sub>5</sub> progenies for yield and yield attributing traits in Indian bean [Lablab purpureus (L.) Sweet]"  "γ- Irradiated induced Genetic		Title should be written as "Variability studies in F <sub>5</sub> progenies for yield and yield attributing traits in Indian bean [Lablab purpureus (L.) Sweet]"
	Reg. No 2010119078  Major Guide: Dr. B. K. Davda		2) 3) 4) 5) 6) 7) 8)	"Radiation induced genetic variability in <i>rabi</i> Sorghum [Sorghum bicolor (L.) Moench]"  Co-guide should be changed in the committee.  2 <sup>nd</sup> objective should be written as "To study the extent of genetic variability"  3 <sup>rd</sup> objective should be written as "Characterization of selected mutants for yield and quality."  Statistical design should be decided in consultation with the statistician.  5 <sup>th</sup> observation should be written as "Grain yield per plant (g)."  6 <sup>th</sup> observation should be written as "100 grain weight (g)."  Observation should be added "Stover yield per plant (g)."
	Patel Hemalkumar Hareshbhai Reg. No2010119079 Major Guide: Dr. V. P. Patel	"Variability studies in F <sub>2</sub> populations of inter and intra specific crosses for yield and its attributes in rice"		9 <sup>th</sup> observation should be written as "100 grain weight (g).
	Patel Riya Hasmukhbhai Reg. No 2010119090 Major Guide: Dr. D. H. Patel	"Evaluation of Recombinant Inbred Line in cotton (G. arboreum L.) for Fiber quality parameters and Morphological Characters"		Title should be written as "Evaluation of Recombinant Inbred Lines for fiber quality parameters and morphological characters in cotton [Gossypium arboreum (L.)]" "No. of" should be removed from 3 <sup>rd</sup> observation.

No.	Name of student	Research Topic	Suggestions
27.	Ponkiya Brijeshkumar Keshavkumar Reg. No 2010119101 Major Guide: Dr. V. L. Parmar	"Genetic estimates and diversity studies in summer Sesame (Sesamum indicum L.)"	the things the second s
28.	Prajapati Maulikkumar Rameshbhai Reg. No 2010119103 Major Guide: Dr. Madhu Bala	"Variability analysis in F <sub>2</sub> population of Rice ( <i>Oryza sativa</i> L.) for yield and attributing traits"	
29.	Sathuri Prashanth Reg. No 2010119112 Major Guide: Dr. B. H. Kale	"Studies on genetic architecture in determinate F <sub>5</sub> progenies for yield and its contributing traits in Indian bean [Lablab purpureus (L.) Sweet]"	
30.	Sushmitha U S Reg. No 2010119119 Major Guide: Dr. Madhu Bala	"Morphological and molecular diversity analysis in Cluster bean [Cyamopsis tetragonoloba (L.) Taub]"	"To determine the selection indices."

No.	Name of student	Research Topic	Suggestions
31.	Tala Harshal Jayantilal Reg. No 2010119122 Major Guide: Dr. S. C. Mali	"Variability studies in F <sub>2</sub> Generation of Okra [Ablemoschus esculentus (L.) Moench]"	
32.	Vasu Davra Reg. No 2010119129 Major Guide: Dr. M. C. Patel	"Genetic architecture in Upland Cotton (Gossypium hirsutum L.)"	
33.	Vinayak Kangal Reg. No 2010119131 Major Guide: Dr. A. I. Patel	"Genetic studies for productivity in Okra [Ablemoschus esculentus (L.) Moench]"	"Genetic studies for fruit yield and its components in Okra [Ablemoschus
34.	Rathod Nisha Vinaysinh Reg. No 2010119131 Major Guide: Dr. K. N. Chaudhari	"Genetic variability, correlation coefficient, path and D <sup>2</sup> analysis in Bottle gourd [Lagenaria siceararia (mol.) Standl.]"	NIL

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#### General Suggestions:-

- 1) Title of the Research topic should be written in sentence case.
- 2) Major Guide and student should take prior concern of each and every committee member before finalizing the research topic and presenting in front of house.
- 3) Everyone should follow the common format of the script that has been put on in the circular of the PG-RAG by Department.
- 4) Students working on Rice crop should follow writing "L/B ratio" instead of "L:B ratio" in observations.
- 5) Common inaccurações for which suggestions are already made in this meeting and had been repetitively made in previous meetings ("gm to g", "No. of should not be written", "grains weight to grain weight", "Title in sentence case", "format of the script") should not be repeated in next PG RAG and respective major guide should firmly take care about that.

At the end of meeting in his concluding remarks, all P.G. research outlines were appreciated by the Chairman **Dr. R. K. Patel**. Finally, the meeting was ended with the vote of thanks given by **Prof. G. D. Vadodariya**, Assistant Professor, Dept. of Genetics and Plant Breeding, NMCA, NAU, Navsari.

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(R. K. Patel)

Convener

PG-RAG: Crop Improvement Group Dept. of Genetics and Plant Breeding NMCA, NAU, Navsari