

# **Comprehensive Report**

**Department of Botany**  
**NSM CITY COLLEGE, CUTTACK**  
**2024-25**

# **Executive Summary**

This report provides a comprehensive review of the Department of Botany at NSM City College, Cuttack. It covers the department's academic programmes, faculty and staff, infrastructure and laboratory facilities, teaching and research activities, student performance and extracurricular engagement, collaborations and outreach, strengths and weaknesses, and short- to medium-term action plans.

# **Introduction**

The Department of Botany aims to provide high-quality undergraduate education, encourage scientific curiosity, and promote research and community outreach in plant sciences. The department offers B.Sc. Botany at undergraduate level and supports practical training, projects, seminars, and fieldwork to prepare students for higher studies and employment in academia, industry, and allied sectors.

# Faculty & Staff

- **Head of Department:** Mrs. Amita Das (Reader)
- **Faculty & Staffs:**

Mrs. Manaswinee Acharya (Sr. Lecturer)

Mrs. Smita Aparimita Nayak (Sr. Lecturer)

Mrs. Jagyansenee Das (Lecturer)

Mrs. Shyamali Singh (Sr. Demonstrator)

Mrs. Santa Monika Mohanty (Sr. Demonstrator)

Mr. Mukesh Kumar Nayak (Attn. Botany)

# Achievements in 2024-25

- An annual seminar was successfully arranged by Emeritus scientist Dr. Kunja Bihani Satpathy presented the topic on "plants Taxonomy & Systematic Botany" on 20th February, 2024.

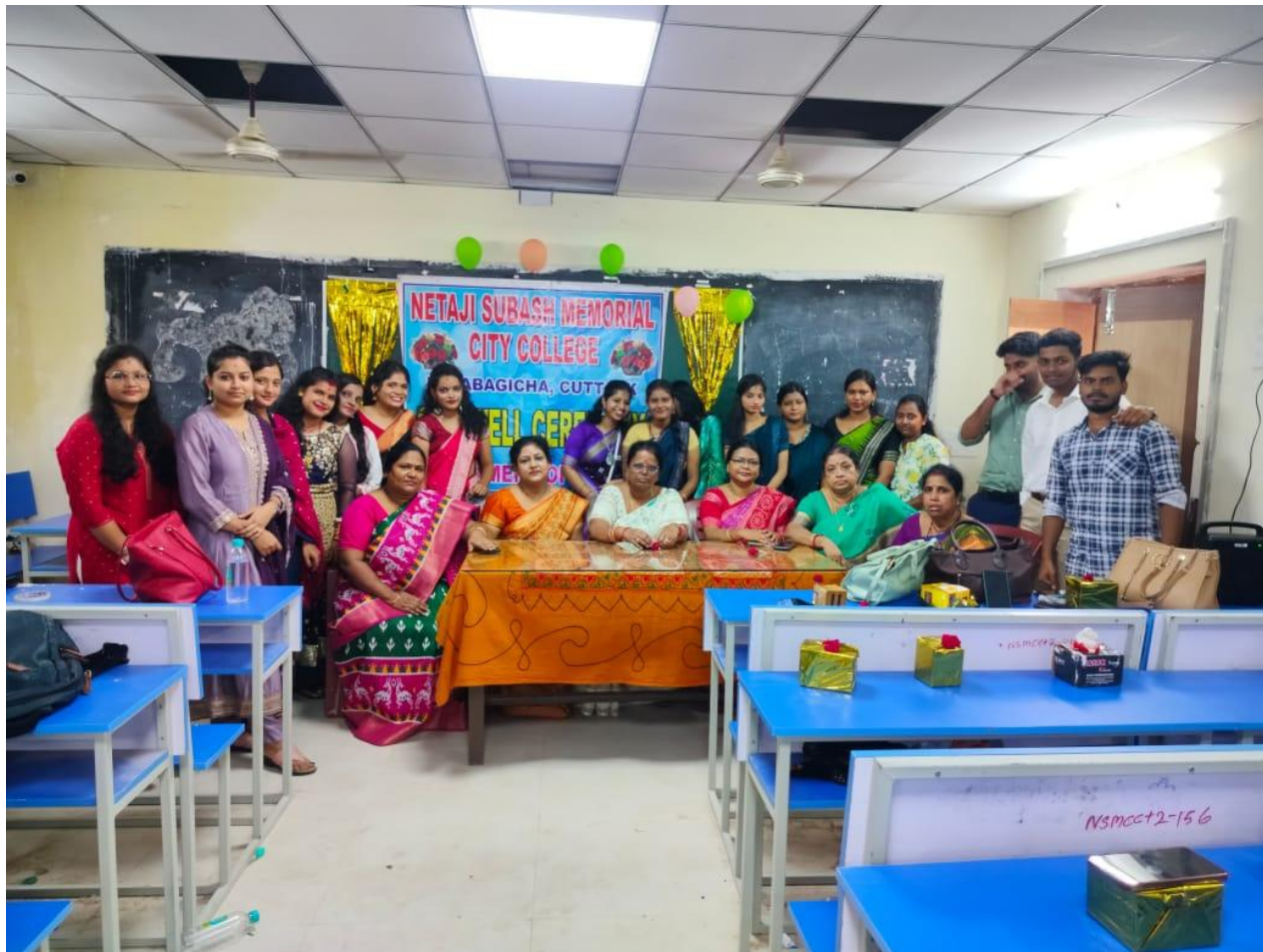
## Field of NCC

- Petty Cadet Ayusha Patnayak attended the Special Yachting Training Camp 2024 at Visakhapatnam and also participated in the Special Expedition RDC 2025 from Farakka to Kolkata.
- Senior Cadet Captain Smarjit Swain has successfully led as Cadet before being promoted to Senior Cadet Captain, was recognized as the Best Cadet in the RDC-2024 Camp at Delhi, and also participated in the All India Annual Training Camp in Kerala.
- Priyanka Bagarty, attended the CACT Camp at Chandbali, Bhadrak, the All India Annual Training Camp in Kerala, and the IUT RDC Camp at Jagatsinghpur.

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- Swati Sulagna secured the 3rd Prize in Solo Song during the Annual Function.
- Shrabani Grahacharya won multiple awards: 2nd Prize in Odia Debate, 3rd Prize in English Debate, 2nd Prize in Jhoti Competition, 2nd Prize in Mono Acting, and 3rd Prize in the District-Level Debate on the topic “Bikashita Bharata Nirmana re Samabaya ra Bhumika.”
- Baishnabi Das achieved 1st Position in the Painting Competition.
- Bidisha Priyadarshini Jena secured 3rd Position in the 100-metre race at the Annual Athletics Meet.
- Priyanka Bagarty won the 3rd Prize in Solo Dance.
- Pratyasha Biswal was the Topper in M.Sc. Botany at Pranatanth Autonomous College, Khordha, for the academic year 2025.
- Smruti Pattnayak secured the 1st Position in the English Essay Competition at the G-20 Presidency Lecture Competition held at Ravenshaw University, in collaboration with RLS and MEA India.

# Farewell Ceremony of 6th Semester batch (2021-24)



# Teacher's Day Celebration-2024





The blackboard contains the following table:

No. of obs	Envi condition	Initial Reading in e.m.	Time constant	Final Reading in e.m.	Difference	Mean

Handwritten notes on the blackboard include "Proposed" and some diagrams.

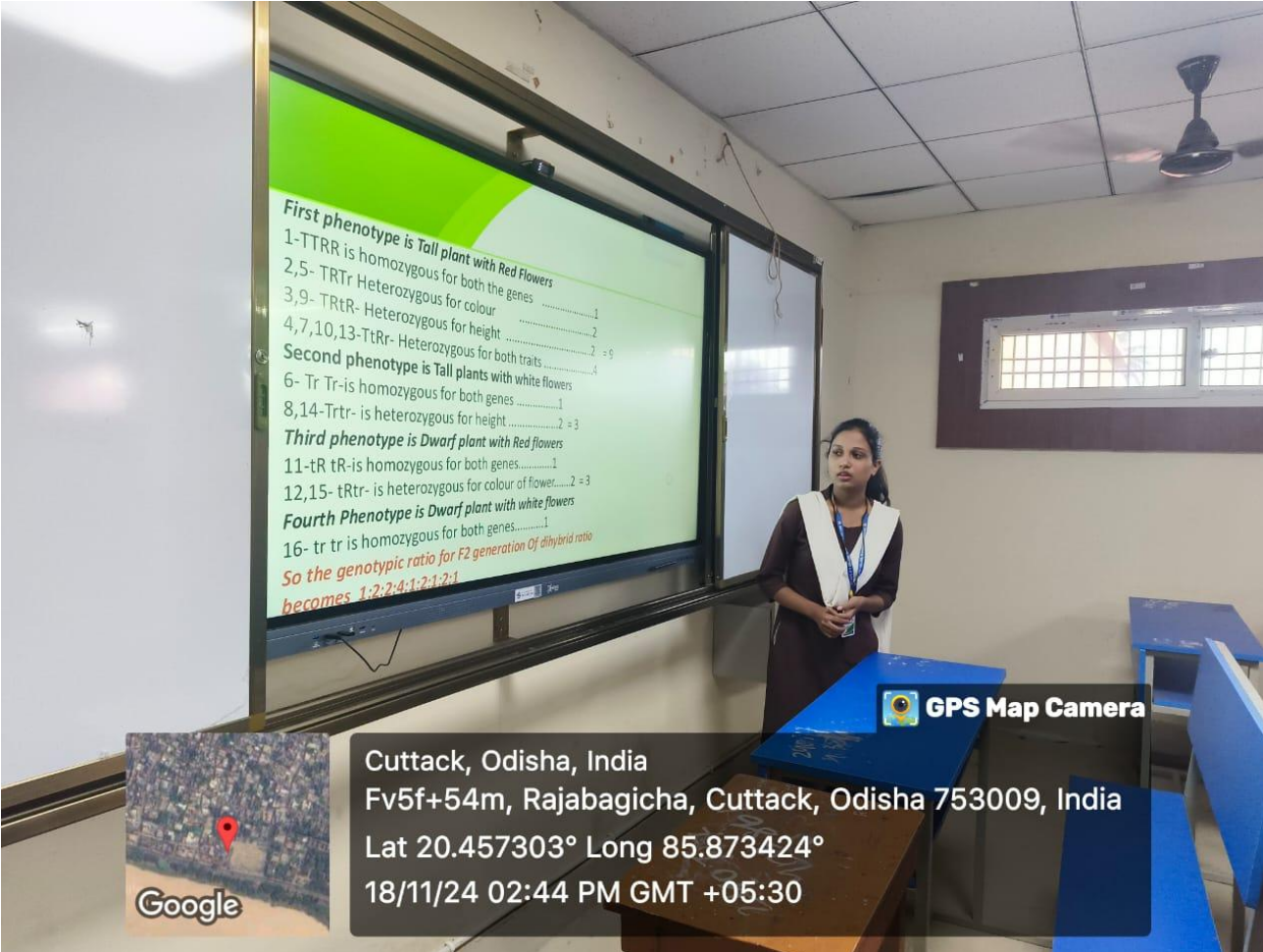
The image shows a group of seven women standing in front of a chalkboard. The chalkboard has a table with the following columns: 'No. of Obs', 'Envr Condition', 'Initial Reading in C.M', 'Time constant', 'Final Reading in C.M', 'Difference', and 'Mean'. There are also some handwritten notes and diagrams on the board, including 'I. Propha' and some circular diagrams with arrows.

# Department Picnic





# Weekly Seminar Assessment during Academic Year 2024\_25



**First phenotype is Tall plant with Red Flowers**

1-TTRR is homozygous for both the genes .....1  
2,5- TRTr Heterozygous for colour .....2  
3,9- TRtR- Heterozygous for height .....2 = 9  
4,7,10,13-TtRr- Heterozygous for both traits .....4

**Second phenotype is Tall plants with white flowers**

6- Tr Tr- is homozygous for both genes .....1  
8,14-Trtr- is heterozygous for height .....2 = 3

**Third phenotype is Dwarf plant with Red flowers**

11-tR tR- is homozygous for both genes .....1  
12,15- tRtr- is heterozygous for colour of flower .....2 = 3

**Fourth Phenotype is Dwarf plant with white flowers**

16- tr tr is homozygous for both genes .....1

*So the genotypic ratio for F2 generation Of dihybrid ratio becomes 1:2:2:4:1:2:1:2:1*

**Cuttack, Odisha, India**  
**Fv5f+54m, Rajabagicha, Cuttack, Odisha 753009, India**  
**Lat 20.457303° Long 85.873424°**  
**18/11/24 02:44 PM GMT +05:30**

GPS Map Camera

Google

# Departmental Annual Seminar





# Inaguration of Departmental Bulletin “THE VANASPATI”

## ସ୍ଥିତି ମହାବିଦ୍ୟାଳୟରେ ବାର୍ଷିକ ଆଲୋଚନା



କଟକ, ୨୦୧୭ (ଆ.ପ୍ର.): ନେତାଜୀ ସ୍ମୃତି ସ୍ନାତକ ସ୍ଥିତି ମହାବିଦ୍ୟାଳୟର ଉଚ୍ଚିତ ବିଜ୍ଞାନ ବିଭାଗର ବାର୍ଷିକ ଆଲୋଚନାଚକ୍ର ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଅଧ୍ୟକ୍ଷା ଡ. ଶୁଭଦର୍ଶିନୀ ମହାନ୍ତି ଏବଂ ଦଶନ ବିଭାଗର ମୁଖ୍ୟ ଦେବାଶିଷ ମହାନ୍ତି ପୌରୋହିତ୍ୟ

କରିଥିଲେ । ମୁଖ୍ୟ ଅତିଥି ଭାବେ କୃଷି ବିଜ୍ଞାନୀ ଓ ଗବେଷକ ସଚ୍ଚିଦାନନ୍ଦ ପଣ୍ଡା ଜୈବିକ ସାର ଓ ଜୈବିକ କାଟନାଶକର ଉନ୍ନତିକରଣ ଓ ବ୍ୟବହାର ଉପରେ ଆଲୋଚନା କରିଥିଲେ । ଏହି ଅବସରରେ ବିଭାଗୀୟ ବାର୍ଷିକ ପତ୍ରିକା ‘ବନସ୍ପତି’ ଉଦ୍ଘାଟିତ ହୋଇଥିଲା ।

ବିଭାଗୀୟ ମୁଖ୍ୟ ଅମିତା ଦାସ ସ୍ବାଗତ ଭାଷଣ, ଅଧ୍ୟାପିକା ମନସ୍ବିନୀ ଆଚାର୍ଯ୍ୟ ଅତିଥି ପରିଚୟ ଓ ବିଭାଗର ବୃତ୍ତାନ୍ତ ବର୍ଷ ଛାତ୍ର କାର୍ଯ୍ୟରାଜ୍ୟ ସ୍ବାଇଁ ବାର୍ଷିକ ବିବରଣୀ ପାଠ କରିଥିଲେ । ଅଧ୍ୟାପିକା ଯାଜ୍ଞସେନା ଦାସ, ଶ୍ୟାମଳା ସିଂ ପ୍ରମୁଖ କାର୍ଯ୍ୟକ୍ରମ ପରିଚାଳନା କରିଥିଲେ ।

କ୍ଷମତା ବିଶିଷ୍ଟ  
କରାଯାଇଛି ।  
ନିର୍ମାଣ ହୋଇ  
ନାହିଁ । ଅଧ୍ୟା  
ଅଧ୍ୟା ଗ୍ରାମ ପା  
ହୋଇଛି ଓ  
ଅଧ୍ୟାପିକା ବା  
କି.ମି ଦୂରରେ  
(ସିଏମ୍‌ସି)ର  
ଗ୍ରାମ ଉପରେ  
ବାସିଯାଇ ମଧ୍ୟ  
ମିଳିଥିବ  
ଯୋଜନାରେ  
ନଭେମ୍ବର ୩  
ଶେଷ ହୋଇ  
ନିର୍ମାଣାଧୀନ  
ଉଦ୍ଘାଟନ

# Student Achievements





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