



H.P.T. Arts & R.Y.K. Science College, Nashik: Department of Statistics

Established in 1978.

Level of Teaching: - Undergraduate (UG)

Course Offered: - Bachelor of Science (B.Sc.)

The Department of Statistics at H.P.T. Arts & R.Y.K. Science College, Nashik aims to teach statistical principles and introduce various software tools.

Also, our college is First in the Nashik region to run the Statistics Course at UG level.



Objectives of the Department

1

Teach Fundamentals

Impart principles and fundamentals of Statistics to students.

2

Conduct Surveys

Perform data collection and analysis from various fields.

3

Introduce Software

Familiarize students with MS-Excel, R, C, R-Studio, Python, etc.

4

Real-life Applications

Teach statistical methods and their practical applications.

PSO (Program Specific Outcomes) & CO's of B.Sc. Statistics CBCS 2019 Pattern

Program Specific Outcomes: B.Sc. (Statistics)

PSO1: Students completing this course will get basic information about methods of data collection, summarization, representation, analysis and conclusion.

PSO2: Students will also study various probability distributions and their applications in real life situations.

PSO3: Students completing this course will deal with theoretical as well as applied aspects of statistics.

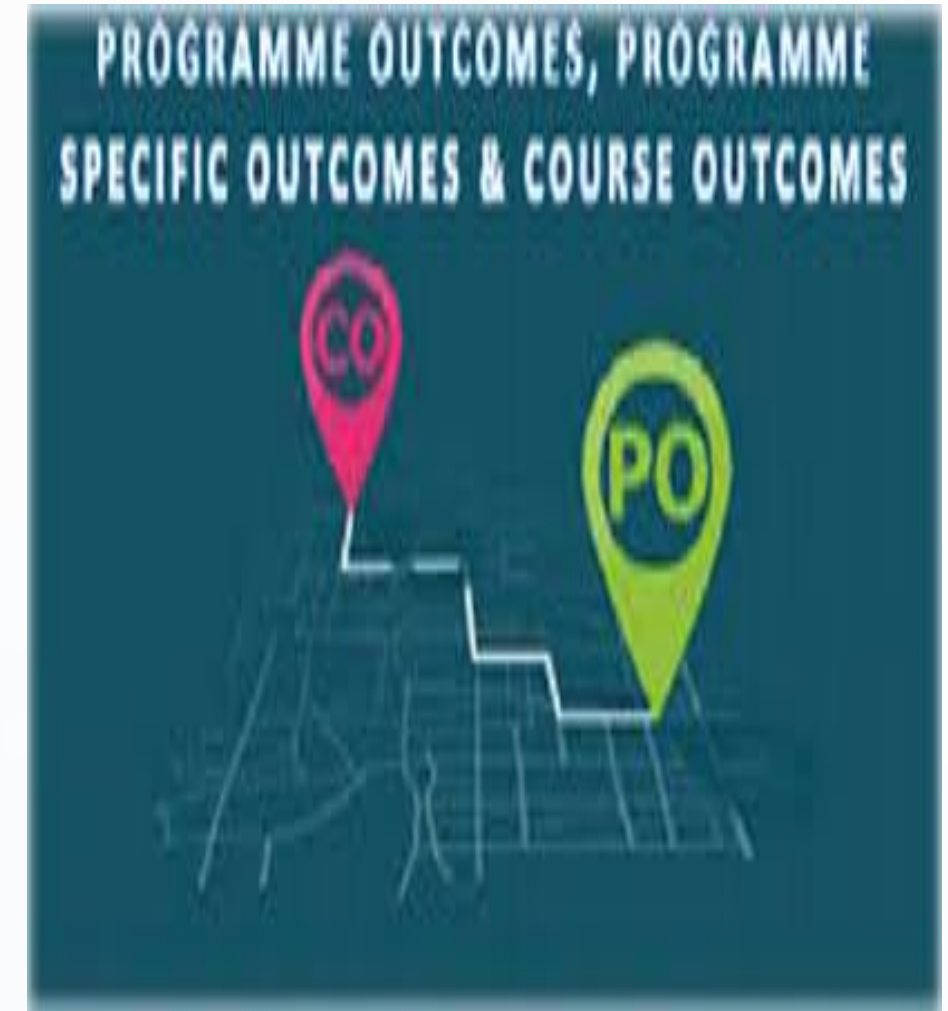
PSO4: Skills of computer programming in C-language, R software, Python, Data Analytics, MS-Excel will be developed here, for future career of students.

PSO5: Technical skills will be inculcated through a project course.

PSO6: Students completing this course will be able to apply various statistical tools in various fields.

Course Outcomes: B.Sc. (Statistics)

[View Document](#)



Physical Facilities and Instruments

Sr. No.	Facility	Numbers
Physical Facilities		
1	Classroom	01
2	Laboratory	01
3	Staff Room	01
4	HOD Room	01
Instruments		
1	Computer	14
2	Printer	01
3	Internet Modem	02
4	LCD Projector	01
5	Calculator	17
6	Pen Tablet	01
7	Pen drive (SanDisk)	02



Staff Profile

1

Past Leadership

Mrs. V. S. Joshi (M.Sc., M.Phil.) was Head of the Department till 31st May 2024.



Mrs. V. S. Joshi
(Former Head)

2

Current Leadership

Dr. Mrs. R. D. Naik (M.Sc., Ph.D.) is Head of the Department from 21st June 2024.



Dr. Mrs. Rajashree Naik
HEAD OF DEPARTMENT
(M.Sc., Ph.D. Statistics)

3

Current Staff

Ms. S. M. Pawar (M.Sc.), Mr. V. D. Sonar (M.Sc.) and Mr. S. R. Chavan (M.Sc., SET, NET) are working.



Ms. Sukhada Pawar
LECTURER
(M.Sc. Statistics)



Mr. Viraj Sonar
LECTURER
(M.Sc. Statistics)



Mr. Suraj Chavan
ASSISTANT PROFESSOR
(M.Sc., SET, NET, GATE)



STUDENT STRENGTH



	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
F.Y.B.Sc.	105	94	102	61	55	54	61
S.Y.B.Sc.	75	71	83	63	48	36	41
T.Y.B.Sc.	30	37	39	40	35	32	14
TOTAL	210	202	224	164	138	122	116

A teacher in a light-colored shirt and glasses is pointing at a presentation screen in a modern classroom. The screen displays a slide titled 'Statistics' with various line and bar charts. In the foreground, the backs of several students' heads are visible as they sit at a table, looking towards the screen. The room has large windows and modern lighting.

Effective Curriculum Delivery

Academic Calendar

Includes activities, national days, competitions, seminars, guest lectures, parent-teacher meet, examinations and study tours.

Teaching Plan

Structured approach to cover all topics effectively.

Time Management

Departmental timetable and workload distribution ensure efficient teaching.

Teaching and Evaluation Methods

Teaching Methods

- Lectures and Practicals
- ICT and Audio clips
- Seminars and Discussions
- Hands-on Experience

Evaluation Methods

- Internal and Annual Examinations
- Home Assignments
- Oral Examinations
- Surprise Tests



Students' Projects

2018-19: -

[Project Record for Year 2018-19](#)

2019-20: -

[Project Record for Year 2019-20](#)

2021-22: -

[Project Record for Year 2021-22](#)

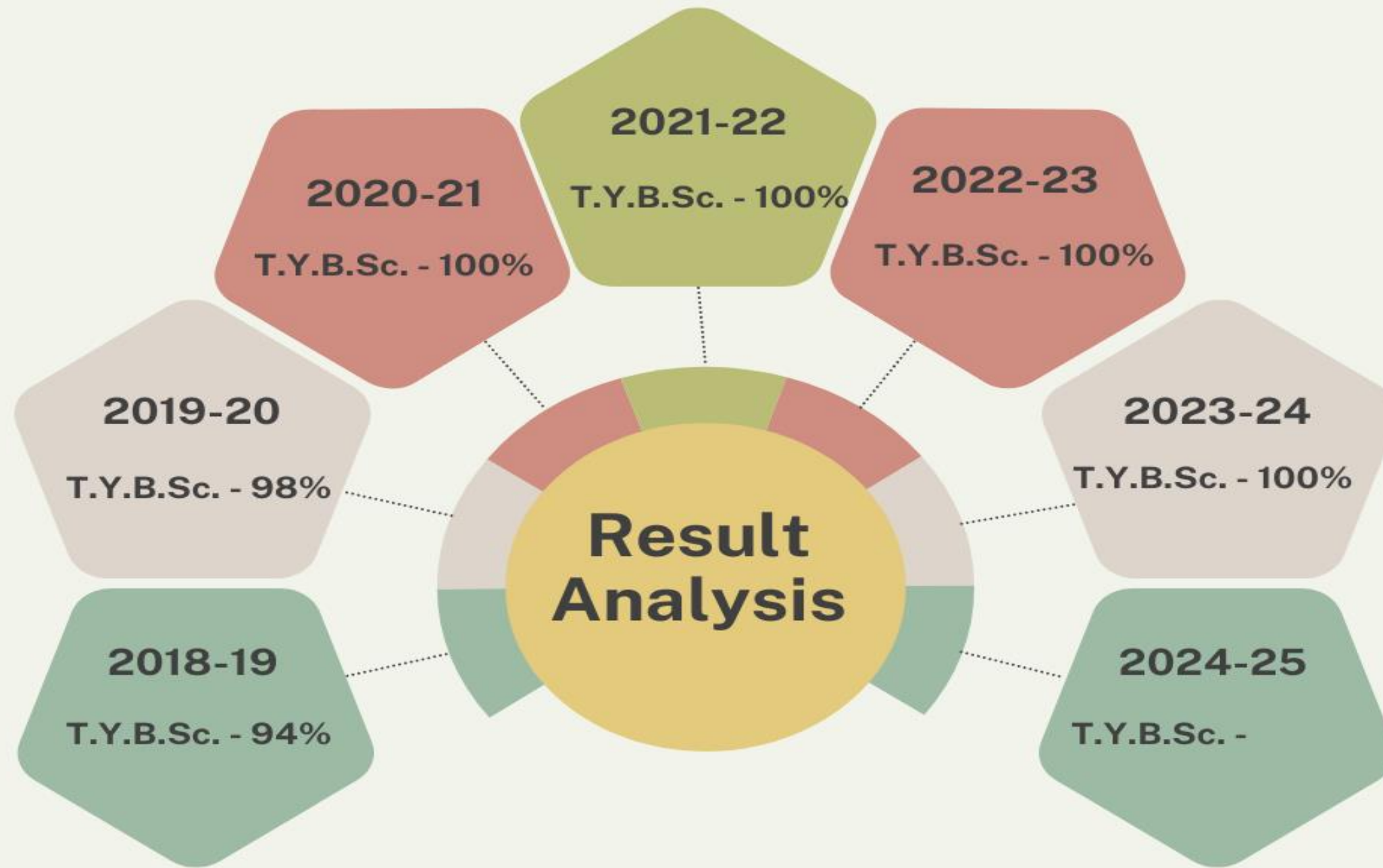
2022-23: -

[Project Record for Year 2022-23](#)

2023-24: -

[Project Record for Year 2023-24](#)





H.P.T. ARTS AND R.Y.K. SCIENCE COLLEGE, NASHIK-05

DEPARTMENT OF STATISTICS

DEPARTMENTAL RANK HOLDERS



Shinde Sayali Y.
(2018-19)



Ahire Harshad A.
(2019-20)



Patil Dipti D.
(2020-21)



Dongare Nikhil G.
(2021-22)



Singh Pratik R.
(2022-23)

Students' Progression and Placement

Student Progression to Higher Education

Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Students progression from UG to PG	21	24	25	31	34	23

Placement of students

Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Placement of students	16	20	17	08	1	16

Placement: -

[Students' Placement Data](#)

Progression: -

[Students' Progression Data](#)



Students' Achievements



Academic Excellence

Students qualifying for IIT-JAM, GATE, NET, SET, and CUET examinations.



Career Success

Alumni working in government and industrial sectors and pursuing higher studies abroad.



Competitions

Participate and wins in national-level technical symposiums, conference and paper presentations. PUSA Competitions. Statistics Olympiad.



Outstanding Students' Case Study

- 1. Mr. Chaitanya Joshi (2018-19)** was a Best All Rounder Student of the year. He was elected as General Secretary of the college. Currently working in RBL Bank.
- 2. Mr. Rutwik Patil (2018-19)** won the first prize in the National Level Technical Symposium of Crossfit competition. Currently doing MS at Germany.
- 3. Mr. Sarthak Sakhala (2018-19)** was a National level player in Artistic Gymnasium.
- 4. Mr. Anand Yadav (2019-20)** Qualified: IIT-JAM Mathematical Statistics 2024 – AIR 98, GATE Statistics 2024 – AIR 266, MH SET Asst. Prof. Mathematical Sciences 2024 – Rank 36 and CUCET(Central Universities Common Entrance Test) 2021 and CUET PG 2024 examination.
- 5. Mr. Nikhil Wamanacharya (2019-20)** His T.Y.B.Sc. project was selected for PUSA competition. Currently working at Tata Consultancy Services.
- 6. Mr. Siddhesh Mekhe (2020-21)** working as administrative clerk in the Government of Maharashtra.
- 7. Mr. Yash Kulthe (2021-22)** Cleared SSB(Service selection Board) interview of Indian Army through NCC special Entry. Selected for Officer's Training Academy, Chennai. Secured All India Rank 36 in the overall merit.
- 8. Ms. Neha Kurhade (2022-23)** and **Ms. Bhavne Mrunmai** attended a National conference at BHU. Won 1st prize in the paper presentation competition at that conference.
- 9. Ms. Shravani Kulkarni (2022-23)** Secured “Best Smile” and “Digital Queen” Award at Maharashtra Shravan Queen Competition (2022).
- 10. Mr. Saikrishna Patro (2022-23)** successfully completed a course in Transcending Sports Management.
- 11. Mr. Amey Acharya (2023-24)** participated in Swarrang Yuvak Mahotsav-2023 and Indradhanushya 2023-24 (19th Maharashtra State Inter-University Youth Festival). Secured second prize in one act play in Swarrang Yuvak Mahotsav-2023.
- 12. Mr. Jay Deshpande (2023-24)** has cleared and secured 4731 rank in IIT-JAM entrance exam. Currently doing MS in Germany.
- 13. Mr. Sangle Nishad and Miss Vaidya Sakshi (2023-24)** participated in “Avishkar-2023”.
- 14. Ms. Tejasvini Jagtap** Qualified NET examination.
- 15. Ms. Siddhi Kulkarni and Ms. Taniya Tiwari** participated and secured rank in Statistics Olympiad.
- 16. Mr. Pratik Singh** secured third rank at university level.

Prominent Alumni

2018-19: -

[Alumni Record for Year 2018-19](#)

2019-20: -

[Alumni Record for Year 2019-20](#)

2020-21: -

[Alumni Record for Year 2020-21](#)

2021-22: -

[Alumni Record for Year 2021-22](#)

2022-23: -

[Alumni Record for Year 2022-23](#)

Also, few alumni are pursuing Masters Degree from out of the India.

01	Jain Prerana H.	Pursuing MS in Statistics in USA
02	Patil Rutwik S.	Pursuing MS in Applied Data Science and Analytics at Heidelberg, Germany
03	Table Harshada	Continuing studies in UK in Statistics
04	Mogal Anisha Bhanudas	Pursuing MS in Data Science at Rochester Institute of Technology, in Henrietta, New York
05	Shukla Ekta	Pursuing MS in Data Science at Illinois Institute of Technology in Chicago, IL
06	Chavan Yukta	Completed MS in Data Science from University of Adalaide, Australia
07	Pingle Pratiksha	Completed MS in Data Science from TU Dortmund University, Germany
08	Patil Chetan	Completed MS in Data Science from Middlesex University, London
09	Karanjkar Sanket	Completed MS in Data Science from Great learning
10	Deshapande Jay	Pursuing MS in Statistics at Humboldt University, Germany

Highlights of Some Activities



MVPK Krishi Vidyapeeth, Rahuri



Alumni Meet



Parent-Teacher Meet



Value Education



Tree Plantation



“Let us know about Python” By Sagar Patil

Courses, Workshop conducted by department apart from university syllabus:

Sr. No.	Name of the Course	Duration of the course	Total No. of students enrolled	Academic Year	Documents
1	Introduction to Scilab and Data Analysis Using R-studio	30 Hrs.	54	2021-22	View Document
2	Introduction to Scilab and Data Analysis Using R-studio	40 Hrs.	52	2022-23	View Document
3	Workshop on Basic Statistical Analysis Using Ms-Excel for Arts faculty PG students	8 Hrs.	27	2024-25	View Document

Best / Innovative Practices by Department

1. **Daily Prayer & value education**
2. **Daily Statistical Quotes by students for motivation**
3. **Celebration of National/World Statistics Day**
4. **Organization of quiz competitions**
5. **Regular Alumni-Students interaction**
6. **Field/Industrial Visits**
7. **Regular Guest & Guidance Lectures, Workshops, seminars.**



Future Plans

1

M.Sc. in Statistics

Plan to institute a postgraduate program.

2

Industry Consultancy

Offer statistical analysis services to industries.

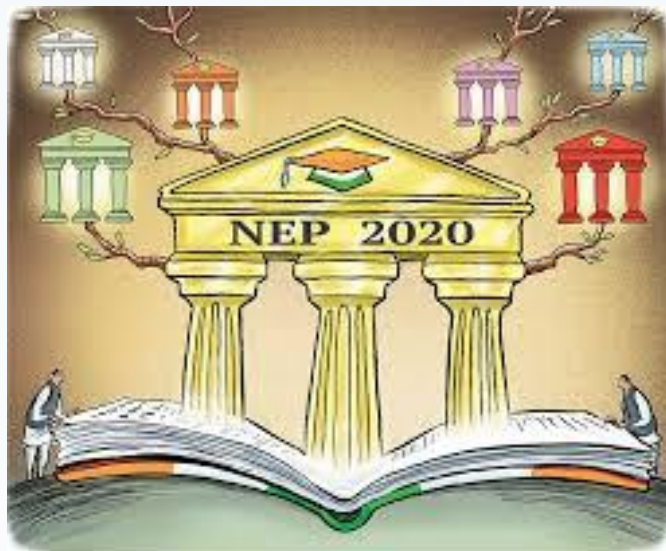
3

Short Courses

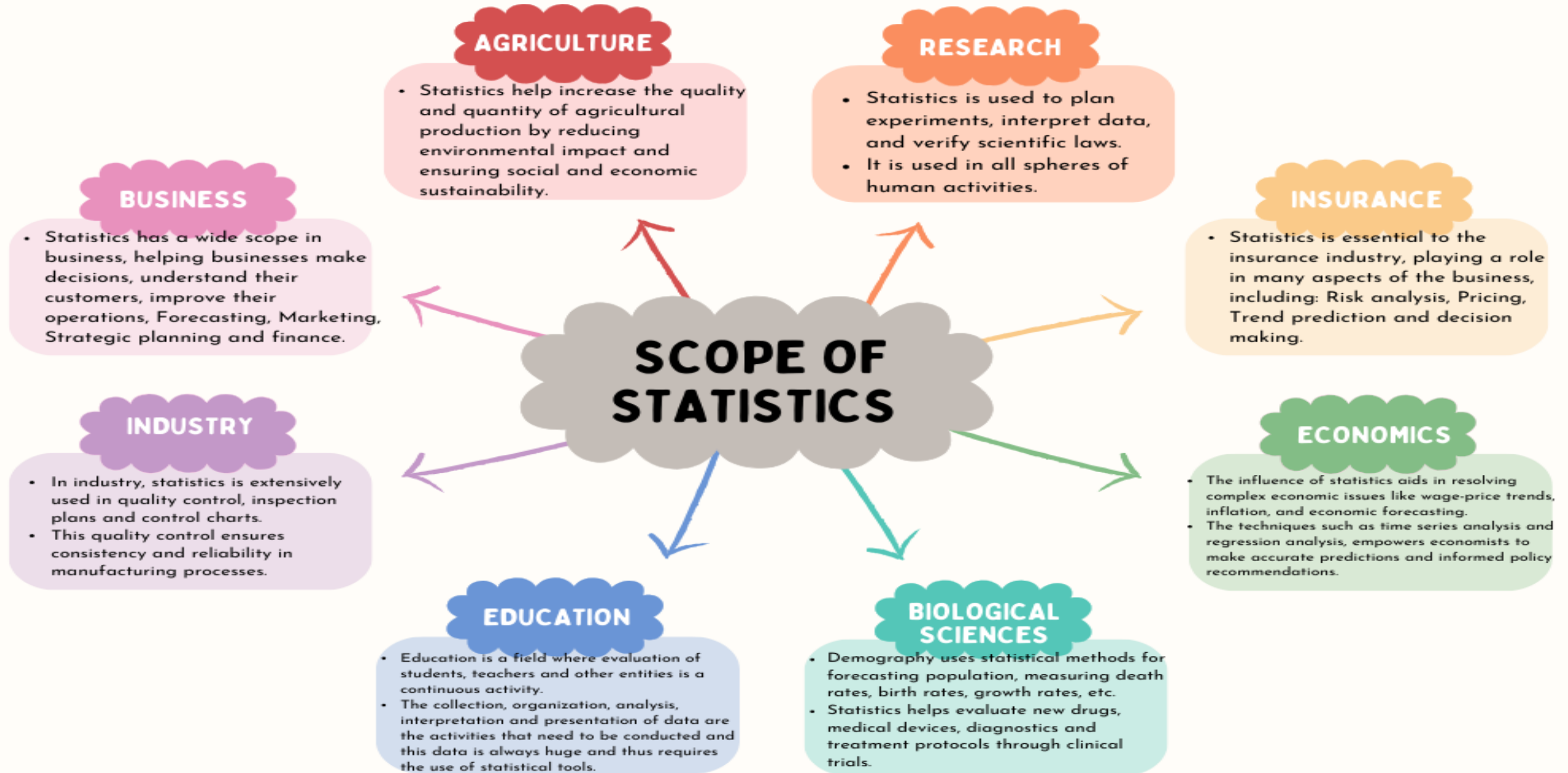
Conduct statistical analysis courses for students.

NEP Implementation in Department

- As of now, the National Education Policy-2020 is implemented to the First Year Students.
- According to it, the F.Y.B.Sc. Syllabus includes 1 Theory Paper and 1 Practical Paper for each subject.
- Along with that, few multidisciplinary courses such as, IKS (Indian Knowledge Systems), SEC (Skill Enhancement Course) and AEC (Ability Enhancement Course) are also introduced in the syllabus.
- Also OE/GE course is included for other faculty students.



Career Paths and Opportunities for Students



Staff Achievements



Dr. Mrs. S. A. Khopkar

- Completed Ph.D from Tampere University, Finland.
- Awarded as "Adarsh Shikshak"



Mrs. V. S. Joshi

- Awarded as "Adarsh Shikshak" by Sarvajanic Vachanalaya, Nashik



Dr. Mrs. R. D. Naik

- Member of BOS of Statistics of SPPU.
- Participated in two International conferences & Presented research papers.



MS. V.P. AHER

- Published a book "Statistische und mathematische Methoden in der Wirtschaft" by Springer in German Language.



Mr. V. D. Sonar

- Published an e-Book "5 steps to an unconditional self-acceptance"
- Published 2 international research papers.

Alumni Contribution to Department

Alumni's contribution to the department in Rupees or in the form of physical goods	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Total
	01 (Rs. 1500) Saraswati Murti	NA	01 (Rs. 500) By Diya Rao	01 (Rs. 800) Wall Clock	NA	01 (Rs. 500) Wall Clock	04



Year: 2018-2019



Year: 2021-2022



Year: 2023-2024

A soft, pink watercolor splash or blotch serves as the background for the text. It has a textured, painterly appearance with varying shades of pink and some darker, more saturated areas. The edges are irregular and feathered, giving it a delicate and artistic feel. The text is centered within this splash.

Thank
You