



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Research Project's 2019

Sr. No	Title of the Project	Name of the Author	Department	Number of Volunteers Participated
1	Comparative Analysis of macronutrients in Organic Fertilizers and Strengthening of understanding and perceptions of use of Organic Fertilizers among the Farmers in Panvel	J.S.Thakur	Chemistry	05
2	Laboratory Waste Water Treatment Using Modified Powder of Morus Alba Leaves as a Flocculent	V.D.Patil	Chemistry	12
3	Effect of Ganpati Immersion on the Physico-chemical Parameters of Water in Various Lake in Panvel Area	D. S. Barve, A. P. Dandekar	Botany	02
4	Study and Awareness about Benefits of Fish Consumption among the Students of Changu Kana Thakur A.C. S. College, New Panvel.	M. A. Mhatre,	Zoology	10
5	Awareness about Viral Pandemics and Prevention amongst Indian Population	S.S. Ghadage, S.S. Ghangale, R.D. Nanekar, S.P. Dongare, A.D. Kumathekar	Biotechnology	02
6	Awareness and Use of Internet Services among Students of Changu Kana Thakur College, New Panvel	P.S. Dandge, S.S. Patil	Information Technology	04



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's  
**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)  
'College with Potential for Excellence' Status Awarded by UGC  
'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
7	<b>IOT based water quality testing</b>	P. M. Jadhav & A. R. Kadam	Computer Science	03
	Study of Awareness about Television Display among the People in Panvel Region	S. S. Kamble	Physics	04
8	Study of Personal Financial Literacy of Students of F.Y.B.A. F.Y.B.Com. and F.Y.B.Sc. at C.K. Thakur College, Panvel	S.L. Khairnar	Mathematics	10
9	Baseline Household Survey of Some Villages of the Panvel Tehsil under Unnat Bharat Abhiyan	G. S. Sathe, N. C. Vadnere	Microbiology	03
10	A Study on Role of Women in Indian Society (Study Area: Panvel City)	B.A. Singh	Commerce	12
11	A Study on Women Dropping Job after Marriage	A. Sagnali	Accounting and Finance	08
12	A Study on the Awareness of Organ Donation for the Well-Being, among Public in Navi Mumbai Region	T.M. Joshi, A.S. Dhage	Management Studies	02
13	Study of Public Sanitation Facilities in Panvel City of Raigad District	D. S. Narkhede, R. O. Parmar	Geography	13
14	An Analysis of Prominent Semantic Barriers to Effective Communication	V. D. Jagdale	English	05
15	Contribution of Agri Community in Raigad District in the Freedom Struggle	R. D. Mhatre	History	10



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No.	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
16	अन्नसुरक्षा आणि मानवी विकास	बी. एस. पाटील, एच. एस. खरात	Economics	02
17	ग्रामीण महिलांचे आरोग्य	एस. एम. भोईर	Rural Development	09
18	राष्ट्रीय आतंकवाद और उसकी प्रमुख चुनोटियाँ	यु. टी. भंडारे	Hindi	06

Dr. S. N. Parkale  
Chief Programme Officer  
National Service Scheme (Unit)

Dr. (Mrs.) J. S. Thakur  
Editor in Chief  
Anugoonj

Prof. (Dr.) S. K. Patil  
Principal  
Changu Kana Thakur  
Arts, Commerce and Science College  
New Panvel (Autonomous)



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Research Project's - 2020

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
1	Synthesis of ZnO NPs by Simple Co-precipitation Technique for General Studies of Toxic Gases Detection	V. S. Kamble	Chemistry	12
2	Synthesis of ZnO Nanoparticles using Mansoa allicia Extract: Its Characterization and Study of Antimicrobial Activity	H. S. Naik, D. S. Barve	Botany	04
3	Microbial Analysis of Drinking Water in Villages near M.I.D.C. Panvel Region	N.P. Tidar, A.N. Gandharkar	Microbiology	05
4	Cyber Security Awareness in Teenagers	D.R. Shete, V.V. Patil,	Information Technology	05
5	Assessment of the Awareness about Cyber Security and Its Challenges among Students of C.K.Thakur ACS College, New Panvel	P.M. Jadhav, A.S. Pardeshi	Computer Science	04
6	Study of Awareness about Solar Energy in Panvel Region	S.S. Kamble	Physics	02
7	A Study on the Awareness of Umbilical Cord Blood Banking among Public in Navi Mumbai Region	M. J. Arul Kumar, S.T. Bandal	Management Studies	03
8	Community Awareness about Adulteration of Milk	J.M. Pawara	Chemistry	12



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
9	Learners' Satisfaction Survey on Online Studies during COVID-19 Pandemic.	M.A. Mhatre, S. Hiremath	Zoology	26
10	Study of Impact of Online Education on Teaching-Learning Process and its Future Consequences in Nation Development	S.S. Ghangale, S.P. Dongare	Biotechnology	02
11	Impact of social media on Mental Health during the Pandemic among Population of Mumbai	N.C. Patil	Mathematics	01
12	The Impact of Body Shaming on Youth	D.K. Mishra, A.S. Dhage	Accounting and Finance	06
13	A Study on the Transgender in Indian Society & Their Inclusion in Corporate World	E.K. Reema, M.R. Nalawade	Management Studies	01
14	Study of the Awareness of Importance of Mental Health among Residents of Panvel Region	S.R. Birkalwar	Commerce	04
15	Study of Pandemic COVID-19 Cases and its Impact on Education in Maharashtra	R.O. Parmar	Geography	13
16	Nuances of Psychological Barriers to Communication amongst the Students in the Process of Learning	R.V. Yeole	English	05



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
17	कोरोना महामारीचा ग्रामीण अर्थव्यवस्थेवर झालेला परिणाम	एस. एम. भोईर	Rural Development	05
18	पेणच्या आर्थिक विकासातील गणपती कारखान्यांचे योगदान आणि योगदान आणि रोजगार संधींचा चिकित्सक अभ्यास	एच. एस. खरात	Economics	05

Dr. S. N. Parkale  
Chief Programme Officer  
National Service Scheme (Unit)

Dr. (Mrs.) J. S. Thakur  
Editor in Chief  
Anugoonj

Prof. (Dr.) S. K. Patil  
Principal  
Changu Kana Thakur  
Arts, Commerce and Science College  
New Panvel (Autonomous)



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Research Project's - 2021

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
1	Evaluation of Physico-Chemical Parameter of Various Lake Water Samples from the Raigad District, Maharashtra, India	S. A. Shaikh, B. D. Aghav	Chemistry	16
2	Study of Use of Azolla Fern in the Treatment of Petroleum Waste water and Detection of its Antimicrobial Activity	D. K. Patil	Chemistry	13
3	Study of Stress Indicators among People of Panvel Area	D. S. Barve	Botany	04
4	Survey on the Socio-economic Profile of Fish Farmers in Pen Taluka and Nearby Area of Raigad District, Maharashtra	M. A. Mhatre	Zoology	06
5	A Comparative Study on Practices Regarding Menstruation and Menstrual Hygiene among Urban and Rural Adolescent Girls of Raigad District	S. S. Kokitkar, M. Vaishmpayan, L. Sirkhot,	Biotechnology	04
6	Awareness of Online Trading in Rural Areas of Raigad District	S. D. Chadvekar, V. R. Pandit	Information Technology	03
7	Effect of Online Gaming on the Students of C. K. Thakur A. C. S. College, New Panvel	A. N. Kulkarni, R. P. Mali	Computer Science	02
8	Effect of Air Pollution on Solar Energy Generation in Panvel.	S. S. Kamble	Physics	02



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's  
**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)  
'College with Potential for Excellence' Status Awarded by UGC  
'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
9	Application of Warshall Algorithm for Providing Shortest Path to Ambulance During Emergency to Get to and Fro from Patients home to hospital	N. R. Gharat, S. I. Unhake	Mathematics	02
10	Testing Mutagenicity Potential of Food Additives by Ames Test from Panvel Area	A.N. Vemula, A. Khare	Microbiology	18
11	Impact of Social Media on the Youth in Panvel Region	B. P. Batavia	Commerce	07
12	Impact of Retirement Planning Scheme on Senior Citizen with Reference to Indian Citizen	B. Bhoir, M. Gupta	Management Studies	02
13	A Study on Effectiveness of Waste Management and Its Disposal Strategy	K. N. Kurani and D. S. Gadgil	Management Studies	02
14	Study of E-commerce Business for Socio-economic Development	A. Sinha, N. G. Nimje	Management Studies	02
15	Challenges of Teaching and Learning through Online mode during Pandemic in Zilla Parishad Schools	R. V. Yeole	English	03
16	MSRTC Workers Strike: Workers Struggle for Existence	A.V. Patil	Political Science	14
17	सौर ऊर्जा आणि ग्रामीण विकास	एस. एम. भोईर	Rural Development	04
18	राष्ट्रीय शिक्षा नीती २०२० में भारतीय भाषाओं कि अवधारणा	जी एस. तंवर	Hindi	07





॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's  
**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Research Project's - 2022

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
1	A Study of Microbial Contamination of the Face Masks Used by Students from C.K. Thakur College, New Panvel	A. N. Gandharkar	Microbiology	05
2	Assessment of Total Nitrogen Concentration of Adai Lake: A Comparative Study of Total Nitrogen for Seasonal Changes	M. A. Mhatre, L. R. Khan	Zoology	03
3	Proper Home Lighting: A Case Study	G. U. Patil	Physics	04
4	Profit Maximization in a Manufacturing Factory by Using Linear Programming	N. R. Gharat	Mathematics	03
5	Application of DASS-21 Scale to Measure the Post- COVID-19 Depression, Anxiety, and Stress Symptoms among College Students in Panvel Region	A. D. Watharkar, M. Vaishmpayan, K. S. Dhole, S. S. Kokitkar	Biotechnology	04
6	Efficacy of Leaf Extract of Hyptis Suaveolens Plant as Insecticide against the Supela Longipalpa, the Species of Cockroach & Black Garden Ants and Phytochemical Screening	D. K. Patil	Chemistry	09
7	Analytical Study of Ayurveda as an Idiosyncratic Career	A. V. Patil	Political Science	15
8	The Study of Impact of COVID-19 Pandemic on Higher Education in India: Students' Perspective.	S. A. Shaikh, B. D. Aghav	Chemistry	06



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
9	Study of Reading Habits among the Students of C. K. Thakur College, Panvel	D. S. Barve	Botany	04
10	Analyzing Gender-Based Disparities in Student Progression: A Quantitative Study	G. C. Deshpande, A. P. Raikar	Computer Science	02
11	Impact of Workplace Environment on Performance among Employees of IT Sector in Navi Mumbai	P. P. Shenoy, N. S. Phopale	Information Technology	03
12	Effect of Social Media on Personal life: In 2k.	S. B. Yadav	Accountancy	01
13	A Study on Awareness of E sanjeevani- A Government Initiative Introduced during COVID 19 Till date (Navi Mumbai Region)	P. Pagare and A. S. Dhage	Accounting and Finance	05
14	A Study on Creating Awareness on Human Milk Bank or Lactation Management Centres among the Women in Navi Mumbai Region	M. Jancy, N. G. Nimje	Management Studies	02
15	A Study on the Food Wastage in Indian Sociable Events with Special Reference to Navi Mumbai	S. A. Dubey, K. G. Joshi	Management Studies	02
16	Barriers to Effective Communication in English amongst the Undergraduate Students of Panvel City	R. R. Agalave	English	05



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
17	Impact of COVID-19 Pandemic on Tourism in Panvel Taluka: A Research study	R. D. Mhatre, B. A. Bhoir	History	24
18	Spatio-Temporal Study of Mangrove Forest in Maharashtra	D.S. Narkhede, R. O. Parmar	Geography	01
19	परिवर्तनाच्या वाटेवरील आदिवासी समुदाय	एस. एम. भोईर	Rural Development	05
20	पनवेल मधील विवाहित नोकरदार महिलांच्या आर्थिक स्वातंत्र्याचे अध्ययन	बी. एस. पाटील, के. बी. ढोरे	Economics	04
21	राष्ट्रीय शिक्षा नीति २०२० की आकांक्षाओं कि पूर्ती के संदर्भ में मूल्य शिक्षा	यु. टी. भंडारे	Hindi	09



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Research Project's - 2023

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
1	Analysis of Physico-chemical Parameters of Agriculture Soil from Taloja Industrial Belt, Navi Mumbai	J. G. Pargaonkar, V. S. Kamble	Chemistry	08
2	Development Induced Displacement and Environmental Impact Assessment of Navi Mumbai International Airport	S. M. Chilate	Chemistry	05
3	A Comprehensive Study on Sound Pollution in Raigad District for Sustainable Acoustic Environment	S. S. Kamble	Physics	08
4	Analysis of Students Approach Towards Mathematics in Changu Kana Thakur Arts, Commerce and Science College, New Panvel	N. C. Patil	Mathematics	07
5	Rural Crop Diversity and Dietary Patterns: A Comprehensive Study in the Vicinity of Panvel Tahsil	T. S. Patil	Botany	08
6	Analysis of Preservative Efficacy to Control Microbial Growth in Pharmaceutical Products	N. R. Garude, A. N. Vemula	Microbiology	08
7	A survey on lifestyle and behavior of adolescents in new panvel Maharashtra	S. V. Humbarwadi, A.N.Gandharkar	Microbiology	04
8	A Survey on Domestic Waste Disposal Habits and an Awareness Drive for Domestic Waste Management using Simple Biotechnological Methods	S. S. Kokitkar S. S. Ghangale, A. D. Watharkar, M.D. Vaishmpayan,	Biotechnology	08



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL**

**(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title of the Project	Name of the Author	Department	Number of Volunteers Participated
9	Assessing Millets Consumption Behavior amongst Residents of Panvel: An Awareness Survey on Health Benefits of Millet	S.S. Kokitkar, L.R. Chavan, R. Nanekar, B. Suryvanshi	Biotechnology	08
10	Study of the Impact of Digitization in Rural Areas	S. R. Paringe, S. M. Huddar	Information Technology	08
11	A Study on Awareness of Life Insurance Among Females with Special Reference to Panvel Region	O.I. Kumawat, P.R. Shinde	Commerce and Accountancy	10
12	An Assessment of Awareness and Entrepreneurial Skills among College Students among Students in the Panvel Region	K. K. Koli	Accounting and Finance	08
13	An Empirical Study on the Rise in Wastage Levels in Beaches of Alibag (Maharashtra) Due to Visiting Tourists	S.A. Dubey	Management Studies	10
14	Exploring the Impact of Carvaka Philosophy on Enhancing Resourcefulness in Undergraduate Students in Navi Mumbai	B. M. Bhoir	Management Studies	11
15	A Study on Empowering Local Street Vendors through the Community Investment Process for Economic Prosperity with Reference to Navi Mumbai Region	N. S. Aurange	Management Studies	11



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

Sr. No	Title pf the Project	Name of the Author	Department	Number of Volunteers Participated
16	Women At the Wheel: A Critical Look at Safety and Security Concern for Navi Mumbai's Women Auto Drivers	N. G. Nimje	Management Studies	10
17	A Study of Financial Independence of Vegetable Vendor Women in Panvel City	B.S. Patil, K.B. Dhore	Economics	05
18	Prominent Barriers to Effective Presentation Skills amongst Under Graduate Students in Panvel	A.M. Hiray, R. V. Yeole	English	04
19	The Transformative Influence of ChatGPT in Learning Process amongst the Under Graduates Students in Panvel	R. V. Yeole, R. A. Ganeshe, Y. G. Bhagat	English	02
20	Study of the Problems of Senior Citizens with Special Reference to Old Age Home in Panvel Taluka	R. O. Parmar D.S. Narkhede,	Geography	04
21	ग्रामीण संस्कृती -आगरी संस्कृतीचा विशेष अभ्यास	एस. एम. भोईर	Rural Development	05
22	पनवेल तालुक्यातील महाविद्यालयीन विद्यार्थी, ताणतणाव व समाज माध्यमांची भूमिका: एक संशोधनात्मक अभ्यास	बी. ए. भोईर, आर. डी. म्हात्रे	History	05
23	कोरोना महामारी के कालखंड में विज्ञान संचार कि भूमिका	यु. टी. भंडारे	Hindi	09