

The following information is to be given in the information Brochure besides being hosted on the institution's office

“The information has been provided by the concerned institution and the onus of authenticity lies with the

I. Name of the Institution COLLEGE OF ART
Address including telephone, 20-22, Tilak Marg, New Delhi-110001.
(Telephone: 23383612 / 23387485 / 23387571
)
Fax, E-mail Fax: 23386337 E-mail: prcoa.delhi@nic.in

II. Name & Address of the Officiating Principal PROF. Dr. Meera Saravanan .

III. Name of the Affiliating University University of Delhi, Delhi

IV. Governance Govt of NCT of Delhi

V. Members of Academic Advisory Body: Dr. Anupam Mahajan, Dean, Faculty of Music
& Fine Art,

Council (DU)

Sculpture and
and Art History

Secretary.

University of Delhi, Delhi. --- Chairperson
Dr. Naval Kishore Rajdhani College
University of Delhi, Delhi. --- Academic

nominated Member.
HOD's of the Departments of Painting,
Applied Art, Printmaking, Visual Communication

College of Art, New Delhi. --- Members
Principal, College of Art, New Delhi --- Member-

**VI. Frequency of the Board Meetings and
Academic Advisory Body:**

On an annual basis, in the month of February.

VII. Organizational Chart and processes:

	ADMINISTRATION (GOVT. OF NCT OF DELHI)
Education)	Principal Secretary (Deptt of Training & Technical
)	AdditionalSecretary(-do -
)	JointSecretary (- do -
Delhi)	Principal (College of Art, New
Asstt.Accounts	(and Administration Officer, Office Supdt,
Asstts, Asstt	Officer, Stores Supdt, Office Asstts, Academic
Clerks etc)	Librarian, PA's, Steno-typists, UDCs, LDCs, Typist-
	ACADEMICS (University of Delhi)
Art, Delhi University, Delhi.	Dean, Faculty of Music & Fine
Academic	Nominated Members (by Vice-Chancellor and the
	Council, University of Delhi, Delhi)
	Principal, College of Art, New Delhi.
	HODs, the Teaching Faculty, Supporting Staff etc.

VIII. Nature and Extent of involvement of faculty in academic affairs/Improvements:

Examinations, the	The Syllabus, Curriculum, the Scheme of
of Studies,	Interaction with the DU appointed Academic Board
improvements	are areas which are constantly reviewed and
	facilitated at all necessary levels.

IX. Mechanism/Norms & Procedure for democratic/good Governance:

with issues	The democratic and transparent nature in dealing
academic work,	that arise very rarely with regard to admn. or
of the	have till date been settled with the joint counseling
	faculty, staff and students.

X. Student Feedback on Institutional Governance/faculty performance:

concerned are
ever
the smooth

All issues/ observations/ suggestions of the given due consideration and looked into, and where necessary, steps of appropriate nature adopted in functioning of the institution.

XI. Grievance redressal mechanism for faculty, staff and students:

pertaining to
are acted
results.

According to the prescribed norms, all issues grievance redressal for faculty, staff and students upon immediately for quick and positively effective

PROGRAMMES

I) Name of the Courses approved by the AICTE:

BACHELOR OF FINE ART	-----	PAINTING
BACHELOR OF FINE ART	-----	SCULPTURE
BACHELOR OF FINE ART	-----	APPLIED ART
BACHELOR OF FINE ART	-----	ART HISTORY
BACHELOR OF FINE ART	-----	PRINT MAKING
BACHELOR OF FINE ART	-----	VISUAL COMMUNICATION
MASTER OF FINE ART	-----	PAINTING
MASTER OF FINE ART	-----	SCULPTURE
MASTER OF FINE ART	-----	APPLIED ART
MASTER OF FINE ART	-----	PRINT MAKING
MASTER OF FINE ART	-----	VISUAL COMMUNICATION

Cut off mark for admission during the last 2 years:

applying to the
performance
the
University

With the eligibility of a pass in 10+2 with 50% and above marks for Four year BFA Courses, the admission is on the basis of merit in the In the Aptitude Test conducted by the College, and, on the basis of merit in Viva-Voce of prospective candidates before the Jury nominated by the

Of Delhi, for admission to the Two year MFA Courses

II) **Name of the Programmes accredited by the AICTE**

Name of Course Period of Validity

- na -

III) **For each Programme the following details are to be given: FOR ACADEMIC SESSION**

2011-2012.

Name: BFA

Number of seats: Painting - 40

 Sculpture - 15

 Applied Art - 80

 Visual Communication - 20

 Print Making - 20

 Art History - 20

(5 seats for Deaf & Dumb students and 11 seats for Foreign

Nationals)

Additional seats for OBC as per Govt.Order.

Duration: Four Years

Name: MFA

Number of seats: Painting - 10

 Sculpture - 10

 Applied Art - 10

 Visual Communication - 10

 Print Making - 10

(5 seats for Deaf & Dumb students)and additional seats for
OBC students as per Govt. Order.

Cut off mark/rank for admission during the last three years:

...as per merit for performance in the Aptitude Test for BFA and Viva-Voce for
MFA Courses.

Fee: ... please see attached document

Placement Facilities: ... Please see attached document

IV) **Name and duration of programme(s) having affiliation/collaboration with Foreign University(s) and be with status of AICTE approval:**

- NA -

V) **FACULTY:**

Number of faculty members

- Permanent faculty
- Visiting faculty ...Please see attached document
- Contract faculty
- Guest faculty
- Permanent Faculty : Student Ratio

VI) **Number of faculty employed and left during the last three years**

	Year	No. of Faculty members	
		<u>Employed</u>	<u>Left (including retired/expired)</u>
a)	2008	Lecturer	Retired
b)	2008	Asstt. Professor	Resigned
i)	2006	Asstt.Professor	Employed
ii)	2006	Lecturer	Employed
iii)	2006	Lecturer	Employed
iv)	2007	Asstt. Professor (02)	Employed
v)	2008	Professor (1)	Employed (on contract basis)
vi)	2008	Lecturers (03)	Employed (on contract basis)

PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED:

1. Name: PROF. Dr. Meera Saravanan

2. Date of Birth:

3. Educational Qualification:

4. Work Experience:

- Teaching & Research:
Area of Specialization:

7. Research Guidance

Master's Level:

Projects Carried out:

8. Technology

Transfer:

9. Research

Publications:

PROFILE OF EACH FACULTY MEMBER: *please see attached document*

FEE:

1. Details of Fee *- please see attached document-*
2. Time schedule for payment of fee for the entire program - do-
3. No. of Fee waivers granted with amount and name of students-----36 students-----

4. Number of scholarship offered by the institute, duration and amount BFA Merit Scholarship

09 students
BFA-Merit-
Scholarship
cum-Means
-06student
MFA-Stipend
for 18
Months @
Rs600/- per
Students
admitted with
1st Div marks
in the last
qualifying
examination.
5. Criteria for fee waivers/scholarship as in the attached document
6. Estimated cost of Boarding and Lodging in Hostels - na -

ADMISSION

- Number of seats sanctioned with the year of approval: BFA = 195+11+05 seats
MFA = 50 +05 seats
(2011-2012)
- Number of students admitted under various categories each year in the last three years:

Academic Yr	Course	General	SC	ST	A/F	P/H	F/N	J&K	Total	
2006-07	101	BFA	65		16	08	10	02	01	--
		MFA	17		02	01	01	--	--	--
		DFA	03		--	--	--	--	--	--
		PGDFA	03		--	--	--	--	--	--
2007-08	137	BFA	96		20	10	06	03	02	--
		MFA	21		06	01	02	--	--	--
		DFA	02		--	--	--	--	--	--
		PGDFA	02		--	--	--	--	--	--
2008-09	130 +5*	BFA	92		20	08	04	02	04	--
		MFA	18		06	02	03	01	--	--
		DFA	02		--	--	--	--	--	--
		PGDFA	--		--	--	--	--	--	--

* OBC candidates were admitted in compliance to NCT of Delhi direction.

ADMISSION PROCEDURE:

Students seeking admission to the Courses in the College must apply on the prescribed Form available along with the Prospectus from the Academic Cell of the College on payment of Rs.500/- for General Category/ (Rs.250/- for SC/ST and PH/D&D) in cash or by a crossed Indian Postal Order payable to the D.D.O., College of Art, New Delhi, at New Delhi. Cheques, Bank Drafts and Money Orders are not accepted. Request for Application

Form through Post should be accompanied with the said IPO along with a self-addressed envelop of size 12"x10" affixed with postage stamps worth Rs.100/-

The candidates can also download the Application Form from the College Website and submit the same along with the requisite cash payment / crossed IPO and enclosures on or before the stipulated last date.

CRITERIA AND WEIGHTAGES FOR ADMISSION:

- Describe each criteria with its respective weightages
i.e Admission Test, marks in qualifying examination etc.
 - a) Candidates seeking admission to the BFA Degree Course must have passed the SSCE (12 Year Course) of the CBSE, New Delhi, with 50% or more marks in aggregate of 5 subjects, or an examination considered equivalent. Concession of 05% marks in the minimum eligibility requirement is allowed to candidates who have taken Fine Arts, ie., Painting, Sculpture or Applied Arts Printmaking, Visual Communication or Art History as one of the subjects in their qualifying examination, for SC/ST candidates, for widows and/or children of Armed Personnel/ Para-military Forces and for Physically Challenged candidates.

Candidates with compartment result are not eligible to apply.

- b) Candidates seeking admission to the MFA Course must have passed the BFA Degree of four year duration after 10+2 offered by the University of Delhi or an examination recognized equivalent thereto with 50% or more marks in the aggregate. Concession of 05% marks in the minimum eligibility requirement is allowed as in BFA.

- Mention the minimum level of acceptance, if any:
the College
appointed
Merit of the individuals' performance in the Aptitude Test conducted by
for admission to BFA Course and in the viva-voce conducted by a Jury
by the University of Delhi for admission to the MFA Courses.
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years:
- Display marks scored in Test etc and in aggregate for all candidates who were admitted:----**attached**

APPLICATION FORM: *PLEASE SEE ATTACHED SPECIMEN DOCUMENT*

List of Applicants: -----attached-----

Results of Admission under Management Seats/Vacant Seats: -NA-

INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE:

LIBRARY: The Library of the College is accommodated in an area of 241.38 sq. m.
It has an Extensive collection of approximately 17000 books on Fine Art, Applied
Art, History of Art, Aesthetics, Methods & Materials, Fiction in languages
such as Hindi, English, Urdu, Bengali etc, leading Newspapers in English and
Hindi, Periodicals (National and from abroad), a vast collection of
Encyclopedias etc.
of the The Library Reading Room is open for the use of all Staff and Students
Non- College on all working days. All the students, including those from the
section of the Collegiate stream, are eligible to become members of the lending
an annual Library and avail of it facilities according to the prescribed rules. With
and worthy. Budget of Rs.4 lakhs, the collection of books is becoming significant

LABORATORY / WORKSHOPS:

Workshop/ In addition to the main subjects, as per the curriculum, substantial
training Lab facilities in the following as optional subjects supportive of the
Program in the three Specializations are available:

- Photography
- Etching
- Lithography
- Silkscreen
- Ceramics

- Offset Printing
- Metal Casting/Assemblage/Wood-Stone Carving
- Mural
- Weaving

EXTRA CURRICULAR ACTIVITIES:

- With the view to encourage students in all extra-curricular and cultural activities, besides their participation in Literary/ Music/Dance/Drama programs, the College also organizes the following events:

INDUCTION CEREMONY: As per given schedule, this ceremony is held each year in July before the beginning of the new academic session wherein the newly admitted students of BFA and MFA are welcomed, along with their parents, and introduced for interaction with the Faculty and Staff.

SEMINAR-cum-WORKSHOP: "Samhita", the annual Seminar-cum-Workshop of a week's duration

Is organized each academic year in the month of September. Five final year students from

14 to 16 established art colleges in the country are invited to participate, work and interact with the students and faculty of the college, invited eminent artists and experts in the field. A

'most awaited for' event for which the students involve themselves in looking after all aspects of comfort of the invited students, including their boarding and lodging in the college, escorting them to

Museums, Art Galleries, their work in the various departments, arranging the inauguration and closing ceremonies of the event etc.

CONVOCATION for the students of BFA and MFA Courses who have passed the Final Exams

The previous academic year is held in the month of November. Eminent personalities in the fields of Fine Art, Music, Performing Arts etc are invited to deliver the Convocation Address each year, including some as Guests of Honour who give away the Degrees to the graduates. The solemnity of the event is enhanced with the students participating in the singing of the Vandana, organizing an exhibition of the work of the degree receiving students prior to the Convocation ceremony, welcoming the honored guests, parents of the students, arranging the refreshments etc.

EDUCATIONAL TOUR: Educational Tours in two groups to places of historical, cultural and artistic importance in the country for the duration of around 12 to 16 days are organized and partly subsidized by the College. It is compulsory for the 3rd Year Specialization classes of the Six Departments and is conducted during December-January of the on-going academic session.

SPORTS: The College provides facilities for sport such as Table Tennis, Badminton, Volley Ball, Basket Ball, Yoga along with amenities of fully equipped Gymnasium. Inter-class tournaments are held annually and students also participate in Inter-college tournaments organized by the University of Delhi. The Sports Day of the College is held during the third Term of the academic session in the month of February, mostly at the Karnail Singh Stadium in New Delhi that is booked well in advance for the purpose.

COLLEGE MAGAZINE: In order to stimulate creative thinking amongst students and to inculcate in them the habit of expression, which they so expertly do as visual artists, in the form of writing. "Impressions", is the title of the college annual magazine which carries articles contributed by the Staff members and the students, which besides research of art and history, also include their expressions of the annual events of the college, on human relationships, poetry, and excerpts from outstanding thesis that have been submitted by the Masters students.

ACCOMODATION

Number of Class-rooms and size of each
Number of Tutorial rooms and size of each -- as given below under the common heading
Number of Drawing halls and size of each as **STUDIOS** --

(EXISTING BLOCKS):

Sculpture i) $18.15 \times 12.24 = 222.15$ sq.m. Gr.FI
 ii) $15.1 \times 12.24 = 184.82$ sq.m. Gr.FI.

Painting i) $9.04 \times 18.21 = 164.61$ sq.m. F . FI.
 ii) $12.15 \times 12.025 = 146.10$ sq.m.
 iii) $9.01 \times 12.15 = 109.47$ sq.m.
 iv) $9.09 \times 9 = 81.81$
 $5.96 \times 9 = 50.4$ 132.21 sq.m. MFA F.FI.

v) $5.93 \times 12.18 = 72.22$ sq.m. MFA F.FI.
vi) $9.15 \times 12.13 = 110.5$ sq.m.
 $12.11 \times 9.08 = 109.95$ sq.m.
 $3.12 \times 9.085 = 28.34$ sq.m. (store attached Studio)

Applied Art i) $9.01 \times 1.15 = 109.47$ sq.m. S.FI.
 ii) $12.02 \times 12.15 = 146.04$ sq.m.
 iii) $9.04 \times 19.175 = 173.34$ sq.m.
 iv) $8.975 \times 13.18 = 118.29$ sq.m.
 v) $12.20 \times 13.18 = 160.80$ sq.m.

- vi) $12.08 \times 13.18 = 159.28$ sq.m.
- vii) $15.51 \times 9.085 = 141.00$ sq.m.
- viii) $12.085 \times 11.85 = 143.27$ sq.m.

Foundation Sec.

- i) $9.01 \times 12.15 = 109.47$ sq.m.
- ii) $12.02 \times 12.15 = 146.04$ sq.m.

Studio/MFA Applied Art:

- i) $21.51 \times 7.51 = 161.54$ sq.m.
- ii) 25.87 sq.m. (Faculty Rooms area)

Multi-Storey Block (Old):

Library Floor 241.38 sq.m. + Mezzanine Floor (230,00 sq.m.)
 AC Plant Room 241.38 sq.m.

Academic Cell (Existing Block) / Gr.Fl.:

- i) $5.83 \times 8.972 = 52.30$
- ii) $2.98 \times 5.8 = 17.28$ Total: 78.54 sq.m.
- iii) $3.01 \times 2.98 = 8.96$

Principal's Office:

- i) PA' s Room $5.935 \times 3.04 = 18.04$
- ii) Office area $5.93 \times 8.95 = 53.07$ Total: 123.55 sq.m.
- $5.81 \times 5.94 = 34.51$
- $3.02 \times 5.94 = 17.93$

Administrative Office area:

- i) Office area 71.02 sq.m.
- ii) Cashier 8.65 sq.m.
- iii) AO's Room 27.08 sq.m.
- iv) Stores 109.31 sq.m.

Faculty Rooms: Painting, Applied Art and Sculpture / BFA & MFA

- a) 113.08 sq.m.
- b) 38.9 sq.m.
- c) 40.24 sq.m.
- d) 38.32 sq.m.
- e) 49.17 sq.m.
- f) 33.57 sq.m.
- g) 34.77 sq.m.
- h) 33.21 sq.m.

Stores area in the Departments:
73.14 sq.m.

NEW MULTI-STOREY BLOCK:

i)	Ground Floor	Studio I - 6.04 x 15.57 = 94.04 sq.m. Studio II - 9.67 x 5.90 = 57.05 sq.m.
ii)	First Floor	Studio I - 9.67 x 5.90 = 57.05 sq.m. Studio II - 6.04 x 15.57 = 94.04 sq.m.
iii)	Second Floor	Studio I - 6.04 x 15.57 = 94.04 sq.m. Studio II - 9.67 x 5.90 = 57.05 sq.m.
iv)	Third Floor	Studio I - 6.04 x 15.57 = 94.04 sq.m. Studio II - 9.67 x 5.90 = 57.05 sq.m.
v)	Fourth Floor	Studio I - 9.67 x 5.90 = 57.05 sq.m. Studio II - 6.04 x 15.57 = 94.04 sq.m.
vi)	Fifth Floor	Studio I - 9.67 x 5.90 = 57.05 sq.m. Studio II - 6.04 x 15.57 = 94.04 sq.m.
vii)	Sixth Floor	Studio I - 9.67 x 5.90 = 57.05 sq.m. Studio II - 6.04 x 15.57 = 94.04 sq.m.

Auditorium Block:

i)	HOD Room (Gr. Fl)	- I 3.37 x 5.85 = 19.71 sq.m. - II 3.37 x 5.85 = 19.71 sq.m.
ii)	Faculty - I, II, and III	3x 3.37 x 2.35 = 23.76 sq.m.
iii)	Art Gallery	- I 12.28 x 9.68 = 118.87 6.98 x 3.07 = 21.43 Total: 140.30 sq.m.
iv)	Studio	- I, II 12.37 x 10.58 = 130.87 6.98 x 3.00 = 21.43 Total: 152.30 sq.m.
v)	Studio	- I, II 10.51 x 14.08 = 147.98 6.98 x 3.00 = 15.36 Total: 168.92 sq.m.
vi)	Studio	- I, II 8.81 x 6.98 = 61.49 5.73 x 2.68 = 15.36 Total: 76.85
vii)		- I 10.58 x 7.87 = 83.26

Built Basement: area approx. 90' x 50'

- Auditorium: First Floor** - 26.88 x 17.78 = 477.93 sq.m.
- i) Green Room - 2x 3.51 x 3.12 = 21.90 sq.m.
- ii) Store - 3.13 x 3.37 = 10.55 sq.m.
- iii) Projection Room - 3.82 x 3.37 = 12.87 sq.m.
- iv) Foyer - 10.57 x 7.60 = 80.33 sq.m.

Studios – Second Floor:

- i) Studio - I, II - 6.75 x 6.98 = 94.23 sq.m.
- ii) Studio - I, II - 3.90 x 3.38 = 26.36 sq.m.
- iii) Faculty Rooms- I, II - 3.45 x 2.83 = 19.53 sq.m.

Studios – Third Floor:

- i) Studio – I, II - 2x 6.75 x 6.98 = 94.23 sq.m.
- ii) Studio - I, II - 2x 3.90 x 3.38 = 26.36 sq.m.
- iii) Faculty Rooms – I, II - 2x 3.45 x 2.83 = 19.53 sq.m.

Cafeteria Block:

- i) Gr.FI. Sitting area: - 2 x 12.08 x 6.00 = 144.96
- 9.00 x 7.28 = 65.52 Total- 210.48 sq.m.
- ii) F.FI. Studios - 2 x 16.30 x 7.20 = 243.72
- 2 x 9.88 x 4.50 = 88.92 Total- 323.64 sq.m.
- iii) S.FI. Studios - 2 x 16.30 x 7.20 = 234.72
- 2 x 12.05 x 4.50 = 108.45 Total- 343.64 sq.m.

Students' Activity Block:

- i) Total area - 9.10 x 9.10 = 82.81 sq.m.

Number of laboratories and size of each:

i) Lab (a)	-	i) Photography Section	: 8.972 x 8.96 = 78.76 sq.m.
		ii) -do-	5.94 X 8.96 = 53.22 Sq.m.
		iii) Dark Room	: 12.16 x 5.93 = 72.11 sq.m.
ii) Lab (b)	-	Litho & Silkscreen	: 12.15 x 9.01 = 109.47 sq.m.
iii) Lab (c)	-	Etching	: 12.15 x 12.05 = 146.10 sq.m.
iv) Lab (d)	-	Assemblage	: 6.0 x 5.0 = 30.00 sq.m.
v) Lab (e)	-	Metal Casting	: 6.0 x 20.0 = 120.0 sq.m.
vi) Lab (f)	-	Mural	: 7.51 x 5.0 = 37.55 sq.m. 7.51 x 2.40 = 18.02 sq.m.
vii) Lab (g)	-	Weaving	: 7.51 x 6.0 = 45.06 sq.m.
viii) Lab (h)	-	Offset Printing	: 9.53 x 14.69 = 139.99 sq.m.

Number of Computer Centers with capacity of each:

i) Lab (a)/BFA	--	2.55 x 13.18 = 33.64 sq.m.
ii) Lab (b)/BFA	--	17.05 x 7.0 = 119.35 sq.m.
iii) Lab (c)/MFA	--	7.0 x 7.42 = 52.0 sq.m.

TEACHING LEARNING PROCESS:

Vocational aspects of Fine Arts education evolves around the assimilation of knowledge of various skills, methods and materials including the traditional and modern aspects. The

teacher and the taught delve into understanding related fine arts such as music, dance, theatre, the media of film, architecture and literature. Study of History of Art and Aesthetics, both Oriental and Western are a main part of the learning. Knowledge of multi-media application on Fine Art, mixed-media techniques and its effects on visual language, appreciation of art and the fundamentals of visual art are other areas of research.

Understanding the fact that art education is a continuous process, the student is guided towards awareness of the changing social, political scenario; its effect on art education and its application on society, which is followed by the trends, languages and function of the new/unconventional mediums.

To add impetus to the technical aspect of the qualification on the whole, an awareness is also created to study the relationship with Industry through internship. Upgrading of curriculum/ labs etc from time to time as per the requirement, outsourcing expertise, formulation of guide lines to both the teacher and the student in the teaching programs for the academic session are other areas where there is constant review and positive action taken. Supportive sources such as the availability of Internet facility for the concerned, conduct/ participation in Seminars and Reports (with feedback) of art activity at regular intervals, Inter-institutional interaction amongst the students and faculty are provided / organized.

Curricula and syllabi for each of the programs as approved by the University:

- Please see attached document

Academic Calendar of the University: - please see attached document

Time Table of Ist, IInd and IIIrd Terms of academic session : 2008-2009

- Please see attached document

Internal Continuous Evaluation System in Place:

The three study Terms consisting of 29+8 weeks functions on Practical assignments scheduled on weekly basis...i.e., a subject is taken up on Monday, finished and submitted to the concerned Faculty on Friday evening for evaluation out of 50 marks. Subject-wise this evaluation is worked out to a percentage of 50 marks internally and added to the External evaluation out of 50 marks to form the merit in that particular subject at the end of the session in April.

Two Periodical Tests are conducted to award Internal sessional marks out of 25 marks in all the three theory subjects taught.

It may be noted that the first three years of the four year BFA are based on the method of Internal Promotion and the Final Year examination conducted by the University of Delhi. Similarly, the first year of Two year MFA Courses is also on the basis of Internal Promotion.

The University examinations are conducted at the end of the academic session in April annually only for the Final Year Classes of BFA and MFA.

Students' assessment of Faculty- system in place:

An Internal Committee of senior faculty, staff and students reviews all issues/ observations/ suggestions that are brought forward to its notice. These are given due consideration and looked into and what ever necessary steps of an appropriate nature adopted for quick, positive and effective solutions.