

10.10.2017

CIRCULAR

The School of Architecture, Bharath Institute of Higher Education and Research has planned to conduct a certification value added course on "LEARN THE ART OF CLAY SCULPTING" for the benefit of II and III year students. This course is scheduled from 28.10.2017 for 30hours which includes theory and practical. The timings are 4:00 PM to 5:30 PM from Monday to Friday and 9:00 AM to 10:30 AM on Saturday.

For registrations, students can contact the following faculty members who are assigned to handle the course.

S.NO	Name of the Faculty	Designation
1	Priya R	Assistant Professor
2	Sachin Kumar	Assistant Professor

All Registered Students must attend all the classes without fail. Students who are completed the course successfully can only get the course certificate.

Ar.Mohamed Farook Ali M, M.Arch(Landscape),
Head of the Department, School of Architecture,
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
173, Agaram Road, Selaiyur, Ch - 73, Ph: 044-22290742/22290125
Head of the Department

Copy: Vice chancellor

Registrar

Dean(Engg) /Dean Arts/Dean Science/Dean law/Dean Agri/All Deans/AO

All HoDs/FM/Website/Office File/Notice Boards

BARVAC 003 – LEARN THE ART OF CLAY SCULPTING

OBJECTIVES

Students will design and build a mug based on their understanding of structures and mechanisms using clay. They will discover how structures and mechanisms are connected, and how structures and mechanisms influence the final design. Students will learn basic clay techniques and how they can be used to build their vessels. Through their vases, they will demonstrate an understanding of elements and principles of design.

SYLLABUS

Emphasis on basic form appreciation using clay, plaster, wood and found materials. Extensive use of visual information will encourage a historical sensitivity to form. Figurative and non-figurative experiences will be included. Basic appreciation & understanding of sculpture including a historical overview. Figurative & nonfigurative experiences will be included using a variety of materials & processes. A range of casting, carving & fabricating projects will be presented. Intermediate Sculpture. Emphasis on development of a series of related work. Complexity and scale will be addressed using a variety of materials. Both figurative and non-figurative experiences will be included. Intro of more complex processes & larger scale work. Students will create a series of studies showing proficiency in a variety of methods & materials. Advanced sculpture with emphasis on personal work related to past two semesters. Problems of the professional sculptor related to architectural presentation, use of industrial layout and pattern making techniques and model making. An introduction to inert gas welding for ferrous and nonferrous metals. Environmental installations and related events. Problems of the professional sculptor including scale, site specific, model presentation & cost estimates. Work towards a specific project goal for a proposed site or exhibition.



LEARN THE ART OF CLAY SCULPTING

LESSON PLAN

TOTAL HOURS-30

FACULTY NAME - PRIYA

DATE	DAY	HOURS	T/P	COURSE TITLE
28.10.2017	SATURDAY	1.5	THEORY	Emphasis on basic form appreciation using clay, plaster, wood and found materials.
30.10.2017	MONDAY	1.5	THEORY	Extensive use of visual information will encourage a historical sensitivity to form. Figurative and non-figurative experiences will be included. Basic appreciation & understanding of sculpture including
31.10.2017	TUESDAY	1.5	THEORY	Extensive use of visual information will encourage a historical sensitivity to form. Figurative and non-figurative experiences will be included. Basic appreciation & understanding of sculpture including
01.11.2017	WEDNESDAY	1.5	THEORY	Figurative & nonfigurative experiences will be included using a variety of materials & processes.
02.11.2017	THURSDAY	1.5	THEORY	Figurative & nonfigurative experiences will be included using a variety of materials & processes.
03.11.2017	FRIDAY	1.5	THEORY	A range of casting, carving & fabricating projects will be presented. Intermediate Sculpture.
04.11.2017	SATURDAY	1.5	THEORY	A range of casting, carving & fabricating projects will be presented. Intermediate Sculpture.
06.11.2017	MONDAY	1.5	THEORY	Emphasis on development of a series of related work. Complexity and scale will be addressed using a variety of materials. Both figurative and non-figurative experiences will be included.
07.11.2017	TUESDAY	1.5	THEORY	Emphasis on development of a series of related work. Complexity and scale will be addressed using a variety of materials. Both figurative and non-figurative experiences will be included.
08.11.2017	WEDNESDAY	1.5	THEORY	Intro of more complex processes & larger scale work. Students will create a series of studies showing proficiency in a variety of methods & materials.
09.11.2017	THURSDAY	1.5	THEORY	Intro of more complex processes & larger scale work. Students will create a series of studies showing proficiency in a variety of methods & materials.
10.11.2017	FRIDAY	1.5	THEORY	Advanced sculpture with emphasis on personal work related to past two semesters. Problems of the professional sculptor related to architectural presentation, use of industrial layout and pattern making techniques and model making.
11.11.2017	SATURDAY	1.5	THEORY	Advanced sculpture with emphasis on personal work related to past two semesters. Problems of the professional sculptor related to architectural presentation, use of industrial layout and pattern making techniques and model making.
13.11.2017	MONDAY	1.5	THEORY	Advanced sculpture with emphasis on personal work related to past two semesters. Problems of the professional sculptor related to architectural presentation, use of industrial layout and pattern making techniques and model making.
14.11.2017	TUESDAY	1.5	THEORY	An introduction to inert gas welding for ferrous and nonferrous metals. Environmental installations and related events. Problems of the professional sculptor including scale, site specific, model presentation & cost estimates.
15.11.2017	WEDNESDAY	1.5	THEORY	An introduction to inert gas welding for ferrous and nonferrous metals. Environmental installations and related events. Problems of the professional sculptor including scale, site specific, model presentation & cost estimates.

16.11.2017	THURSDAY	1.5	THEORY	An introduction to inert gas welding for ferrous and nonferrous metals. Environmental installations and related events. Problems of the professional sculptor including scale, site specific, model presentation & cost estimates.
17.11.2017	FRIDAY	1.5	THEORY	An introduction to inert gas welding for ferrous and nonferrous metals. Environmental installations and related events. Problems of the professional sculptor including scale, site specific, model presentation & cost estimates.
18.11.2017	SATURDAY	1.5	THEORY	Work towards a specific project goal for a proposed site or exhibition.
20.11.2017	MONDAY	1.5	THEORY	Work towards a specific project goal for a proposed site or exhibition.
21.11.2017	TUESDAY	1.5	THEORY	Work towards a specific project goal for a proposed site or exhibition.
30				
PRACTICAL-0/THEORY-30			Total hours-30	



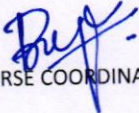
LIST OF STUDENTS - VALUE ADDED COURSE - LEARN THE ART OF CLAY SCULPTURE

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1	U14AR001	ABDUR RAHIM S
2	U14AR002	AISHWARYA Y
3	U14AR003	AJITHKUMAR G
4	U14AR005	ANDREW JESHKUMAR
5	U14AR006	ANITHA B
6	U14AR007	ARUN KONSTAS ALTO
7	U14AR008	AVINASH
8	U14AR009	BHUVANESH
9	U14AR010	CHARAN RAJ
10	U14AR011	DINAKARAN
11	U14AR012	EBANAZER
12	U14AR013	ENIYAN
13	U14AR014	GOKULA VINOTH M
14	U14AR015	GUNANITHI M
15	U14AR016	HASEEB BASHA A
16	U14AR017	HEMALATHA
17	U14AR018	JOHN DOUGLES PREMKUMAR
18	U14AR019	JOSHUA ANAND
19	U14AR020	KAILASH RAJ
20	U14AR021	KAMESH M
21	U14AR022	KUSHAL D JAIN
22	U14AR023	LOKESH KARTHIKEYAN
23	U14AR024	MADHAN KUMAR S
24	U14AR025	MOHAN BABU
25	U14AR026	MOHANATH E



LIST OF STUDENTS - VALUE ADDED COURSE - LEARN THE ART OF CLAY SCULPTURE

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
26	U14AR027	POORNIMA K
27	U14AR029	PRASANNA P
28	U14AR030	PRIYADHARSHINI S
29	U14AR031	RAHUL B
30	U14AR032	RISHI KUMAR
31	U14AR034	SAKTHIVEL S
32	U14AR035	SALIM MALIK
33	U14AR037	SAROJINI PRIYA S
34	U14AR038	SHANTHI S
35	U14AR039	SINDU V
36	U14AR040	SURYA PRAKASH
37	U14AR041	SURYA R
38	U14AR042	THENMOZHI DEVAN
39	U14AR043	VETRI MURUGAN
40	U14AR045	VIMALNATH R
41	U14AR046	YAZHISAI E


COURSE COORDINATOR



COURSE FEEDBACK FORM

Academic Year	2017-2018								
Course Code	ARVAC003								
Course Title	Learn the Art of Clay Sculpting								
Number of Credits	3								
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
	0-20		20-40		40-60		60-80	✓	80-100
2. Number of hours per week spent on the course (Other than lecture hours)									
	0-2		2-4		4-6		6-8	✓	8-10
3. Preparation for the course by the student:									
(i) ✓	Have done part of this course earlier								
(ii)	Has adequate prior exposure to the prerequisites								
(iii)	Had to pickup relevant additional topics through concurrent study								
(iv)	Have no exposure to the background material								
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations								
(b)	Get exposed to a relevant subject								
(c) ✓	Curiosity								
(d)	Better Employment Opportunity								
(e)	Complete Course requirements								
(f)	To Improve CGPA								

II. About the Course Information on the Respondent: (Tick (√) Appropriately)					
Depth of Coverage					
UG level	<input checked="" type="checkbox"/>	Graduate level	<input type="checkbox"/>	Advance level	<input type="checkbox"/>
Standard of test and assignments					
High	<input checked="" type="checkbox"/>	Normal	<input type="checkbox"/>	Easy	<input type="checkbox"/>
	A	B	C	D	E
Coverage of the syllabus		<input checked="" type="checkbox"/>			
Organization of the Course	<input checked="" type="checkbox"/>				
Emphasis on fundamentals		<input checked="" type="checkbox"/>			
Emphasis of fundamentals	<input checked="" type="checkbox"/>				
Coverage of modern/advanced topics	<input checked="" type="checkbox"/>				
Availability of text books/study materials		<input checked="" type="checkbox"/>			
Usefulness of tests and assignments		<input checked="" type="checkbox"/>			
Overall rating of the Course	<input checked="" type="checkbox"/>				
What benefit you derived from the course?	<input checked="" type="checkbox"/>				
About the Instructor: Information on the Respondent: (Tick (√) Appropriately)					
	A	B	C	D	E
1. Pace of the Teaching/lecture		<input checked="" type="checkbox"/>			
2. Comment of the Subject		<input checked="" type="checkbox"/>			
3. Clarity of expression		<input checked="" type="checkbox"/>			
4. Level of preparation	<input checked="" type="checkbox"/>				
5. Level of interaction	<input checked="" type="checkbox"/>				
6. Accessibility outside the class	<input checked="" type="checkbox"/>				
7. Others (please specify)	<input checked="" type="checkbox"/>				
A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor	

SCHOOL OF
ARCHITECTURE



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

CERTIFICATE OF PARTICIPATION

This certificate is presented to

SURYA R

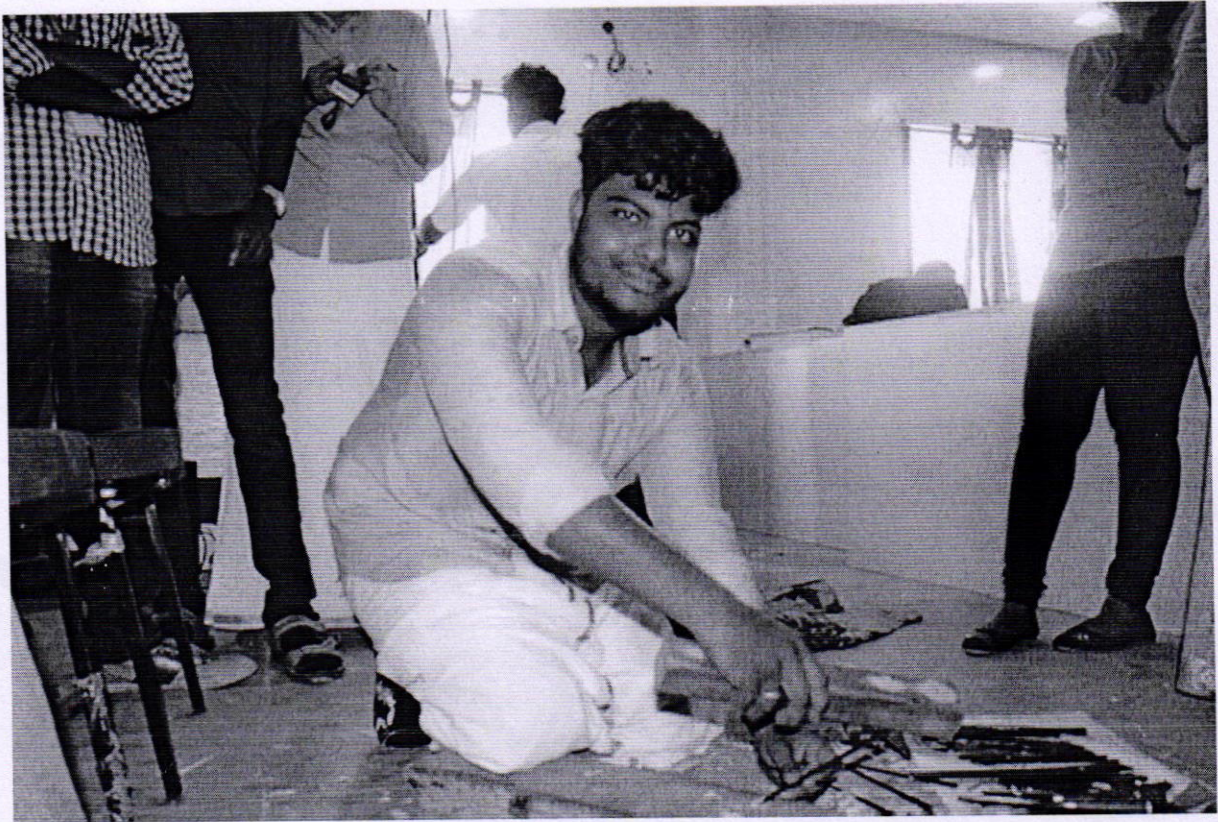
For actively participating in the value added course **“LEARN THE ART OF CLAY SCULPTING”** Conducted by School of Architecture, BIHER from 28.10.2017 to 21.11.2017.

COURSE COORDINATORS



HEAD OF THE DEPARTMENT

ART OF CLAY SCULPTING



STUDENTS WORKING ON CLAY SCULPTING WORKSHOP



08.09.2018

CIRCULAR

The School of Architecture, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on ENVIRONMENTAL GEOTECHNICS for the benefit of II, III and IV year students. This course is scheduled from 01.10.2018 for 30hours which includes theory and practical. The timings are 4:00 PM to 5:30 PM from Monday to Friday and 9:00 AM to 10:30 AM on Saturday.

For registration, students can contact the following faculty members who are assigned to handle the course.

S.NO	Name of the Faculty	Designation
1	Hemalatha	Assistant Professor
2	Dhivya	Assistant Professor

All Registered Students must attend all the classes without fail

Students who are completed the course successfully can only get the course certificate.

A: M. Mohamed Farook Ali M, M.Arch (Underape),
Head of the Department, School of Architecture,
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University UGC Act 1956)
173, Anaram Road, Selaiyur, Ch - 73, Ph: 044-22290742/22290125
Head of the Department

BARVAC 004 – COURSE ON ENVIRONMENTAL GEOTECHNICS

COURSE OBJECTIVES

- To understand Clay mineralogy and soil structure
- Select and compare inter sheet and inter layer bonding in the clay minerals.
- To perceive the use of electric charges on clay minerals
- To comprehend different Super Alloys with their strengthening mechanism, composition properties and applications.
- To understand the technique to pH and organic matter on properties of soils.
- To interpret properties and applications of Permeability of soils
- To grasp different smart material with their application.
- To perceive requirements Darcy's law and its validity.

SYLLABUS

Clay mineralogy and soil structure: Gravitational and surface forces-inter sheet and inter layer bonding in the clay minerals- Basic structural units of clay minerals- isomorphous substitution – kaolinite mineral- montmorillonite mineral- illite mineral- electric charges on clay minerals – base exchange capacity- diffused double layer- adsorbed water- soil structure- methods for the identification of minerals (introduction only).

Effect of environment on Geotechnical properties of soils: Effect of drying on Atterberg limits.-Volume change behaviour- factors controlling resistance to volume change- general relationship between soil type, pressure and void ratio.- importance of mineralogical composition in soil expansion. Activity- sensitivity-causes of sensitivity-influence of exchangeable cations, pH and organic matter on properties of soils. Permeability of soils- hydraulic conductivity of different types of soils – Darcy's law and its validity- factors affecting permeability

Wastes and Contaminants (introduction only): sources of wastes-types of wastes- composition of different wastes- characteristics and classification of hazardous wastes- generation rates- ground water contamination- sources of ground water contamination- transport mechanisms-potential problems in soils due to contaminants.

Disposal and containment technics: Criteria for selection of sites for waste disposal- hydrological aspects of selection of waste disposal sites- disposal facilities- subsurface disposal technics-disposal systems for typical wastes (sketches only)Containment control systems- liners and covers for waste disposal- rigid liners- flexible liners. Ground modification technics in waste management – waste modification- ground modification- mechanical modification-hydraulic modification- chemical modification.

ENVIRONMENTAL GEOTECHNICS

LESSON PLAN

TOTAL HOURS-36

FACULTY NAME - DHIVYA

DATE	DAY	HOURS	T/P	COURSE TITLE
01.10.2018	MONDAY	1.5	THEORY	Clay mineralogy and soil structure: Gravitational and surface forces-inter sheet and inter layer bonding in the clay minerals- Basic structural units of clay minerals
02.10.2018	TUESDAY	1.5	THEORY	isomorphous substitution – kaolinite mineral- montmorillonite mineral- illite mineral- electric charges on clay minerals – base exchange capacity
03.10.2018	WEDNESDAY	1.5	THEORY	diffused double layer- adsorbed water- soil structure- methods for the identification of minerals (introduction only).
04.10.2018	THURSDAY	1.5	THEORY	Effect of environment on Geotechnical properties of soils: Effect of drying on Atterberg limits.-Volume change behaviour- factors controlling resistance to volume change- general relationship between soil type, pressure and void ratio
05.10.2018	FRIDAY	1.5	THEORY	importance of mineralogical composition in soil expansion. Activity- sensitivity-causes of sensitivity-influence of exchangeable cations,
06.10.2018	SATURDAY	1.5	THEORY	pH and organic matter on properties of soils. Permeability of soils- hydraulic conductivity of different types of soils
08.10.2018	MONDAY	1.5	THEORY	Darcy's law and its validity- factors affecting permeability
09.10.2018	TUESDAY	1.5	THEORY	Wastes and Contaminants (introduction only): sources of wastes-types of wastes-composition of different wastes
10.10.2018	WEDNESDAY	1.5	THEORY	characteristics and classification of hazardous wastes- generation rates- ground water contamination- sources of ground water contamination
11.10.2018	THURSDAY	1.5	THEORY	transport mechanisms-potential problems in soils due to contaminants
12.10.2018	FRIDAY	1.5	THEORY	Wastes and Contaminants (introduction only): sources of wastes-types of wastes-composition of different wastes
13.10.2018	SATURDAY	1.5	THEORY	characteristics and classification of hazardous wastes- generation rates- ground water contamination
15.10.2018	MONDAY	1.5	THEORY	sources of ground water contamination- transport mechanisms-potential problems in soils due to contaminants.
16.10.2018	TUESDAY	1.5	THEORY	Disposal and containment technics: Criteria for selection of sites for waste disposal
17.10.2018	WEDNESDAY	1.5	THEORY	hydrological aspects of selection of waste disposal sites
18.10.2018	THURSDAY	1.5	THEORY	disposal facilities
19.10.2018	FRIDAY	1.5	THEORY	subsurface disposal technics
20.10.2018	SATURDAY	1.5	THEORY	disposal systems for typical wastes
22.10.2018	MONDAY	1.5	THEORY	Containment control systems
22.10.2018	TUESDAY	1.5	THEORY	liners and covers for waste disposal
23.10.2018	WEDNESDAY	1.5	THEORY	rigid liners
24.10.2018	THURSDAY	1.5	THEORY	flexible liners
25.10.2018	FRIDAY	1.5	THEORY	Ground modification technics in waste management
26.10.2018	SATURDAY	1.5	THEORY	waste modification




LIST OF STUDENTS - VALUE ADDED COURSE - ENVIRONMENTAL GEOTECHNICS

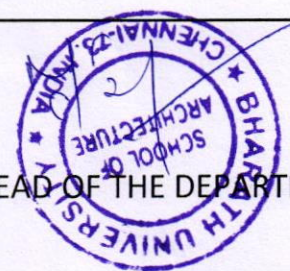
S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1	U13AR001	ARJUN C
2	U13AR002	ASHISH KIRAN B V
3	U13AR003	BALAJI S
4	U13AR004	BASHEER AHMED S A
5	U13AR005	BASIL BASHEER
6	U13AR006	CIBIN KURIKESU BOBAN
7	U13AR007	DEEPIKA V
8	U13AR008	DINESH KUMAR M
9	U13AR009	GODWIN E
10	U13AR010	GOWTHAMRAJ R
11	U13AR011	INDHU M
12	U13AR012	JEROME MARIA RAJ A
13	U13AR013	KANTHI VISWANATHAN
14	U13AR014	KARANAM VENKATA MANOJ KUMAR
15	U13AR015	KARTHICK P
16	U13AR016	KAVITHA P
17	U13AR017	KAVYA SRI K
18	U13AR018	KUMARESAN A
19	U13AR020	NAME OF THE STUDENT
20	U13AR021	MATHURA SRIKANTH
21	U13AR022	MOHAMED HUSSAIN N
22	U13AR023	MUTHU LAKSHMANAN
23	U13AR024	NAWAZ SHARIEF
24	U13AR025	NISHANTHI K
25	U13AR026	PARTHIBAN P
26	U13AR027	PRAGYA TRIPATHI
27	U13AR028	PRASANTH N
28	U13AR029	RADHIKA HARIKUMAR MENON
29	U13AR030	RAJASEKAR K
30	U13AR031	RASMIHA B
31	U13AR032	SIVA GURU BARAN G
32	U13AR033	SUPRIYA YADAV
33	U13AR034	SURYA E
34	U13AR501	TARA WILLIAMS
35	U13AR502	ZUHAIB.J



LIST OF STUDENTS - VALUE ADDED COURSE - ENVIRONMENTAL GEOTECHNICS

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
36	U13AR503	RAVEENA D
37	U13AR504	SARAVANAN MURTHI M
38	U13AR505	THAMIZHINIAN
39	U13AR506	SYED JALALUDDIN AHMED
40	U13AR507	VIVEK S
41	U13AR508	SOWMIYA P
42	U13AR509	RASHMIKA S
43	U13AR510	NARESH V
44	U13AR511	PRASAD
45	U13AR512	GANESH ARUNMANI
46	U13AR513	ROSHINI
47	U13AR514	JANISHA SWEETLIN
48	U13AR515	INIYAN M S
49	U13AR516	ASHWIN J CHANDRAN
50	U13AR517	KAMESH M
51	U13AR518	KUSHAL D JAIN
52	U13AR519	LOKESH KARTHIKEYAN
53	U13AR520	MADHAN KUMAR S
54	U13AR521	MOHAN BABU
55	U13AR522	MOHANATH E
56	U13AR523	POORNIMA K
57	U13AR524	PRASANNA P
58	U13AR525	PRIYADHARSHINI S
59	U13AR526	RAHUL B
60	U13AR527	RISHI KUMAR
61	U13AR528	SAKTHIVEL S
62	U13AR529	SALIM MALIK
63	U13AR530	SAROJINI PRIYA S


 COURSE COORDINATORS


 HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year	2018								
Course Code	BARYAC 004								
Course Title	Environmental Geotechniques								
Number of Credits	3								
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6	<input checked="" type="checkbox"/>	6-8		8-10	
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier								
<input checked="" type="checkbox"/> (ii)	Has adequate prior exposure to the prerequisites								
(iii)	Had to pickup relevant additional topics through concurrent study								
(iv)	Have no exposure to the background material								
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations								
(b)	Get exposed to a relevant subject								
(c)	Curiosity								
<input checked="" type="checkbox"/> (d)	Better Employment Opportunity								
(e)	Complete Course requirements								
(f)	To Improve CGPA								

II. About the Course Information on the Respondent: (Tick (✓) Appropriately)						
Depth of Coverage						
UG level ✓		Graduate level		Advance level		
Standard of test and assignments						
High		Normal ✓		Easy		
		A	B	C	D	E
Coverage of the syllabus		✓				
Organization of the Course			✓			
Emphasis on fundamentals			✓			
Emphasis of fundamentals		✓				
Coverage of modern/advanced topics			✓			
Availability of text books/study materials			✓			
Usefulness of tests and assignments		✓				
Overall rating of the Course		✓				
What benefit you derived from the course?			✓			
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)						
		A	B	C	D	E
1.	Pace of the Teaching/lecture		✓			
2.	Comment of the Subject	✓				
3.	Clarity of expression	✓				
4.	Level of preparation		✓			
5.	Level of interaction		✓			
6.	Accessibility outside the class	✓				
7.	Others (please specify		✓			
A: Excellent		B: Very Good		C: Good		D: Satisfactory
						E: Poor

SCHOOL OF
ARCHITECTURE



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

CERTIFICATE OF PARTICIPATION

This certificate is presented to

BALAJI. S

For actively participating in the value added course “ENVIRONMENTAL
GEOTECHNICS Conducted by School of Architecture, BIHER from
01.10.2018 to 26.010.2018.


COURSE COORDINATORS


HEAD OF THE DEPARTMENT

ENVIRONMENTAL GEOTECHNIQUES



VALUE ADDED COURSE ON ENVIRONMENTAL GEOTECHNIQUES ON 15.10.2018

25.04.2018

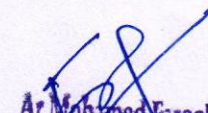
CIRCULAR

The School of Architecture, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES for the benefit of II, III and IV year students. This course is scheduled from 07.05.2018 for 30hours which includes theory and practical. The timings are 4:00 PM to 5:30 PM from Monday to Friday and 9:00 AM to 10:30 AM on Saturday.

For registrations, students can contact the following faculty members who are assigned to handle the course.

S.NO	Name of the Faculty	Designation
1	Shehnaz Mubeen R	Assistant Professor
2	Sachin Kumar	Assistant Professor

All Registered Students must attend all the classes without fail. Students who are completed the course successfully can only get the course certificate.


Ar. Mohamed Farook Ali M. M.Arch(Landscape),
Head of the Department
of the Department of Architecture,
Bharath Institute of Higher Education & Research
H.No. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136,

**SCHOOL OF
ARCHITECTURE**



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES

COURSE OBJECTIVES

- To understand various steels with their composition, advantages, limitations and application.
- Select and compare different steel for a given metallurgical application.
To know about different alloy cast irons.
- To perceive the use of different types of light metal and their alloys with metallurgical aspects.
- To comprehend different Super Alloys with their strengthening mechanism, composition properties and applications.
- To understand the technique to producing metallic glass.
- To interpret properties and applications of Nano materials.
- To grasp different smart material with their application.
- To perceive requirements of biomaterials and suggest a biomaterial for a given application.

BARVAC 005 – ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES

UNIT-I Special steels

Metallurgical aspects, Composition, Properties and applications of: different types of Stainless steels, Dual phase steels, TRIP steels, Maraging steels, High speed steels, Hadfield steels, Free cutting steels, Ausformed steels, Tool Steels, manganese steels, chrome steels, electrical steels, bearing steels, spring steels, heat resistant steels, creep steels, HSLA steels etc.

UNIT-II Rapid Solidification

Metallic glasses, Atomic arrangement, Comparison with crystalline alloys, properties & applications, Glass transition temperature, Glass forming ability, Techniques for Production of metallic glasses.

UNIT-III Biomaterials

Property requirement, biocompatibility, bio functionality, Important bio metallic alloys like: Ni-Ti alloy and Co-Cr-Mo alloys. Applications.

UNIT-IV Smart materials

Shape memory alloys, Piezoelectric materials, Electro-rheological fluid, Magneto-rheological fluids

UNIT-V Miscellaneous Advanced Materials

Magnetic materials, ceramics, composites and polymers, surface metal matrix composites, aerospace materials, and cryogenic materials, semi conducting and superconducting materials.

ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES

LESSON PLAN

TOTAL HOURS-30

FACULTY NAME - SHEHNAZ MUBEEN

DATE	DAY	HOURS	T/P	COURSE TITLE
07.05.2018	MONDAY	1.5	THEORY	UNIT 1 -Metallurgical aspects, Composition, Properties and applications of: different types of Stainless steels,
08.05.2018	TUESDAY	1.5	THEORY	Dual phase steels, TRIP steels, Maraging steels, High speed steels,
09.05.2018	WEDNESDAY	1.5	THEORY	Hadfield steels, Free cutting steels, Ausformed steels,
10.05.2018	THURSDAY	1.5	THEORY	Tool Steels, manganese steels, chrome steels, electrical steels,
11.05.2018	FRIDAY	1.5	THEORY	bearing steels, spring steels, heat resistant steels, creep steels, HSLA steels etc.
12.05.2018	SATURDAY	1.5	THEORY	UNIT-II Rapid Solidification of Metallic glasses, Atomic arrangement
14.05.2018	MONDAY	1.5	THEORY	Comparison with crystalline alloys,
15.05.2018	TUESDAY	1.5	THEORY	Glass forming ability, Techniques for Production of metallic glasses.
16.05.2018	WEDNESDAY	1.5	THEORY	Techniques for Production of metallic glasses.
17.05.2018	THURSDAY	1.5	THEORY	UNIT-III Biomaterials Property requirement
18.05.2018	FRIDAY	1.5	THEORY	Biocompatibility, bio functionality
19.05.2018	SATURDAY	1.5	THEORY	Important bio metallic alloys like: Ni-Ti alloy and Co-Cr-Mo alloys.
21.05.2018	MONDAY	1.5	THEORY	Applications of Biomaterials
22.05.2018	TUESDAY	1.5	THEORY	UNIT-IV Smart materials
23.05.2018	WEDNESDAY	1.5	THEORY	Shape memory alloys, Piezoelectric materials,
24.05.2018	THURSDAY	1.5	THEORY	Electro-rheological fluid,
25.05.2018	FRIDAY	1.5	THEORY	Magneto- rheological fluids
26.05.2018	SATURDAY	1.5	THEORY	UNIT-V Magnetic materials, ceramics,
28.05.2018	MONDAY	1.5	THEORY	composites and polymers
29.05.2018	TUESDAY	1.5	THEORY	surface metal matrix composites, aerospace materials
30.05.2018	WEDNESDAY	1.5	THEORY	cryogenic materials,
01.06.2020	THURSDAY	1.5	THEORY	semi conducting and superconducting materials.

33

PRACTICAL-0/THEORY-30

Total hours-33


LIST OF STUDENTS - VALUE ADDED COURSE - ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1	U15AR01	A ANNI MONICA
2	U15AR02	ABDUL KHADER
3	U15AR03	ADITHYAN E
4	U15AR04	AHAMATH HUSSAIN
5	U15AR06	ARUN PRASANTH
6	U15AR07	A HARSHITH REDDY
7	U15AR08	DHANUSH RAM ADITHYAN
8	U15AR11	JENIFER HEPZIBAH
9	U15AR12	K NAVEEN RAJESWAR
10	U15AR13	KARTHIK S
11	U15AR15	LOKESH S
12	U15AR16	MAKEEF RAHMAN M
13	U15AR17	MD A MAQSOOD KHAN
14	U15AR19	MERVIN WILLIAM
15	U15AR20	MUTHU ARVINTH G
16	U15AR21	NITHYANANDA GIRIJA
17	U15AR22	PAVITHRA S
18	U15AR23	PRASANTH N
19	U15AR24	PRAVEEN KUMAR
20	U15AR25	PREETHIKA M
21	U15AR26	SADANA SRIDHAR
22	U15AR27	SAI GAYATHRI N
23	U15AR28	SANGEETH M
24	U15AR29	SANTOSH R A
25	U15AR30	SELVASUTHAN R
26	U15AR31	SRUTHI S
27	U15AR32	SURYA S
28	U15AR34	TITUS J
29	U15AR37	VIJAYALAKSHMI
30	U15AR38	VIMAL E AKASH
31	U15AR40	ZAKKALLAH BARDER
32	U15AR42	KAMALA KANNAN M
33	U15AR43	AJITH KUMAR N
34	U15AR44	HAKASHWAR K
35	U15AR45	JEEVITHA T
36	U15AR46	DHANUSH KUMAR P
37	U16AR001	KISHAN I
38	U16AR002	SOWMIYA K
39	U16AR003	THANUJA SHARON M
40	U16AR004	RUFEENA B
41	U16AR007	GONUGUNIKA AJAY KUMAR
42	U16AR008	DAMALACHERUVU BHANU TEJA REDDY
43	U16AR009	ANU R
44	U16AR011	SETHUPATHY D
45	U16AR012	ABDUL KALAM M H


ATTENDANCE % - VALUE ADDED COURSE - ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	ATTENDANCE %
1	U15AR01	A ANNI MONICA	94
2	U15AR02	ABDUL KHADER	82
3	U15AR03	ADITHYAN E	76
4	U15AR04	AHAMATH HUSSAIN	75
5	U15AR06	ARUN PRASANTH	77
6	U15AR07	A HARSHITH REDDY	95
7	U15AR08	DHANUSH RAM ADITHYAN	79
8	U15AR11	JENIFER HEPZIBAH	76
9	U15AR12	K NAVEEN RAJESWAR	86
10	U15AR13	KARTHIK S	88
11	U15AR15	LOKESH S	91
12	U15AR16	MAKEEF RAHMAN M	83
13	U15AR17	MD A MAQSOOD KHAN	75
14	U15AR19	MERVIN WILLIAM	88
15	U15AR20	MUTHU ARVINTH G	92
16	U15AR21	NITHYANANDA GIRIJA	82
17	U15AR22	PAVITHRA S	95
18	U15AR23	PRASANTH N	78
19	U15AR24	PRAVEEN KUMAR	92
20	U15AR25	PREETHIKA M	88
21	U15AR26	SADANA SRIDHAR	96
22	U15AR27	SAI GAYATHRI N	95
23	U15AR28	SANGEETH M	79
24	U15AR29	SANTOSH R A	85
25	U15AR30	SELVASUTHAN R	82
26	U15AR31	SRUTHI S	75
27	U15AR32	SURYA S	82
28	U15AR34	TITUS J	88
29	U15AR37	VIJAYALAKSHMI	78
30	U15AR38	VIMAL E AKASH	79
31	U15AR40	ZAKKALLAH BARDER	85
32	U15AR42	KAMALA KANNAN M	84
33	U15AR43	AJITH KUMAR N	82
34	U15AR44	HAKASHWAR K	89
35	U15AR45	JEEVITHA T	91
36	U15AR46	DHANUSH KUMAR P	75
37	U16AR001	KISHAN I	82
38	U16AR002	SOWMIYA K	86
39	U16AR003	THANUJA SHARON M	91
40	U16AR004	RUFEENA B	83
41	U16AR007	GONUGUNIKA AJAY KUMAR	87
42	U16AR008	DAMALACHERUVU BHANU TEJA REDDY	82
43	U16AR009	ANU R	95
44	U16AR011	SETHUPATHY D	87
45	U16AR012	ABDUL KALAM M H	81



SCHOOL OF
ARCHITECTURE

TIMETABLE - VALUE ADDED COURSE - ADVANCED MATERIALS CHARACTERIZATION TECHNIQUES

DAY	9.00 - 10.30	4.00 - 5.30
MONDAY		ADVANCED MATERIALS CHAR TECHNIQUES
TUESDAY		ADVANCED MATERIALS CHAR TECHNIQUES
WEDNESDAY		ADVANCED MATERIALS CHAR TECHNIQUES
THURSDAY		ADVANCED MATERIALS CHAR TECHNIQUES
FRIDAY		ADVANCED MATERIALS CHAR TECHNIQUES
SATURDAY	ADVANCED MATERIALS	

COURSE COORDINATOR
SHEHNAZ MUBBEN
SACHIN KUMAR



COURSE FEEDBACK FORM

Academic Year	2017-2018								
Course Code	ARVAC 005								
Course Title	Adv. Material Charac. techniques								
Number of Credits									
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
0-20		20-40		40-60	<input checked="" type="checkbox"/>	60-80	<input checked="" type="checkbox"/>	80-100	
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6	<input checked="" type="checkbox"/>	6-8		8-10	
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier								
(ii)	Has adequate prior exposure to the prerequisites								
(iii)	Had to pickup relevant additional topics through concurrent study								
<input checked="" type="checkbox"/> (iv)	Have no exposure to the background material								
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations								
<input checked="" type="checkbox"/> (b)	Get exposed to a relevant subject								
(c)	Curiosity								
(d)	Better Employment Opportunity								
(e)	Complete Course requirements								
(f)	To Improve CGPA								

II. About the Course Information on the Respondent: (Tick (√) Appropriately)					
Depth of Coverage					
UG level	<input checked="" type="checkbox"/>	Graduate level	<input type="checkbox"/>	Advance level	<input type="checkbox"/>
Standard of test and assignments					
High	<input type="checkbox"/>	Normal	<input checked="" type="checkbox"/>	Easy	<input type="checkbox"/>
	A	B	C	D	E
Coverage of the syllabus		<input checked="" type="checkbox"/>			
Organization of the Course		<input checked="" type="checkbox"/>			
Emphasis on fundamentals	<input checked="" type="checkbox"/>				
Emphasis of fundamentals	<input checked="" type="checkbox"/>				
Coverage of modern/advanced topics	<input checked="" type="checkbox"/>				
Availability of text books/study materials		<input checked="" type="checkbox"/>			
Usefulness of tests and assignments	<input checked="" type="checkbox"/>				
Overall rating of the Course	<input checked="" type="checkbox"/>				
What benefit you derived from the course?	<input checked="" type="checkbox"/>				
About the Instructor: Information on the Respondent: (Tick (√) Appropriately)					
	A	B	C	D	E
1. Pace of the Teaching/lecture		<input checked="" type="checkbox"/>			
2. Comment of the Subject		<input checked="" type="checkbox"/>			
3. Clarity of expression		<input checked="" type="checkbox"/>			
4. Level of preparation	<input checked="" type="checkbox"/>				
5. Level of interaction	<input checked="" type="checkbox"/>				
6. Accessibility outside the class	<input checked="" type="checkbox"/>				
7. Others (please specify)	<input checked="" type="checkbox"/>				
A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor	

SCHOOL OF
ARCHITECTURE



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

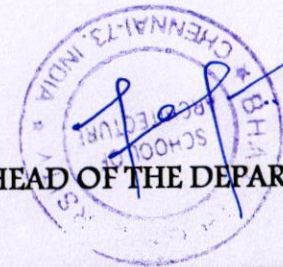
CERTIFICATE OF PARTICIPATION

This certificate is presented to

A. ANNI MONICA

For actively participating in the value added course “ **ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES**” Conducted by School of Architecture, BIHER from 07.05.2018 to 29.05.2018.

COURSE COORDINATORS



HEAD OF THE DEPARTMENT

ADVANCED MATERIAL CHARACTERIZATION TECHNIQUES



VALUE ADDED COURSE ON ADVANCED MATERIAL TECHNIQUES ON 23.05.2018