



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru  
 Website: www.theoxford.edu Email: engrprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)  
 DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

## CO ATTAINMENT

2018-22

COURSE	SUBJECT CODE	SUBJECT NAME	SET TARGET	CO1	CO2	CO3	CO4	CO5	CO6	CO ATTAINMENT	SUBJECT CODE	SUBJECT NAME
C201	17MAT31	Engineering Mathematics - III	2.2	2.2	2.2	2.2	2.2	2.2		2.2	18MAT31	Transform Calculus, Fourier Series And
C202	17CS32	Analog and Digital Electronics	2.1	2.6	2	2.6	2.6	2.6	2.6	2.5	18CS32	Data Structures and Applications
C203	17CS33	Data Structures and Applications	1.7	1.4	1	1.8	1	1.8		1.4	18CS33	Analog and Digital Electronics
C204	17CS34	Computer Organization	2.3	1.4	1.4	1.4	1	1.8		1.4	18CS34	Computer Organization
C205	17CS35	Unix and Shell Programming	2.3	1.4	1	1.8	1	1.8		1.4	18CS35	Software Engineering
C206	17CS36	Discrete Mathematical Structures	2.2	1.8	1.8	1.8	1.8	1.8		1.8	18CS36	Discrete Mathematical Structures
C207	17CSL37	Analog and Digital Electronics	2.6	3	3	3	3	3		3.0	18CSL37	Analog and Digital Electronics

<b>C208</b>	17CSL38	Data Structures Laboratory	3	3	3	3	3	3	3	3	3	3	3	18CSL38	Data Structures Laboratory
<b>C211</b>	17MAT41	Complex Analysis, Probability And	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	18MAT41	Complex Analysis, Probability And
<b>C212</b>	17CS42	Object Oriented Concepts	1.4	2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS42	Design and Analysis of Algorithms
<b>C213</b>	17CS43	Design and Analysis of Algorithms	1.4	1.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS43	Operating Systems
<b>C214</b>	17SC44	Microcontroller and Embedded Systems	1.8	2.2	1.6	2.2	2.2	1	2.2	1.6	2.2	1.6	1.8	18SC44	Microcontroller and Embedded Systems
<b>C215</b>	17CS45	Software Engineering	2.5	3	3	3	3	3	3	3	3	3	3.0	18CS45	Object Oriented Concepts
<b>C216</b>	17CS46	Data Communication	1.9	1.4	2.6	1.4	2.6	2.6	2.6	2.6	2.6	2.6	2.1	18CS46	Data Communication
<b>C217</b>	17CSL47	Design and Analysis of Algorithm	3	3	3	3	3	3	3	3	3	3	3.0	18CSL47	Design and Analysis of Algorithm
<b>C218</b>	17CSL48	Microcontroller and Embedded Systems	2.6	3	3	3	3	3	3	3	3	3	3.0	18CSL48	Microcontroller and Embedded Systems
<b>C301</b>	17CS51	Management, Entrepreneurship for IT Industry	2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS51	Management, Entrepreneurship for IT Industry
<b>C302</b>	17CS52	Computer Networks and Security	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	18CS52	Computer Networks and Security

C303	17CS53	Database Management System	2.4	3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	18CS53	Database Management System
C304	17CS54	Automata theory and Computability	2.1	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	18CS54	Automata theory and Computability
C305	17CS553	Advanced JAVA and J2EE	2	2.6	2.6	2	2.6	2.6	2.6	2.6	2.6	2.6	18CS55	Application Development using Python
C306	17CS564	Dot Net framework for application	2.1	2.2	2.2	1.6	2.2	2.2	2.2	2.2	2.2	2.2	18CS56	Unix Programming
C307	17CSL57	Computer Network Laboratory	2.8	3	3	3	3	3	3	3	3	3	18CSL57	Computer Network Laboratory
C308	17CSL58	DBMS Laboratory with mini project	2.9	3	3	3	3	3	3	3	3	3	18CSL58	DBMS Laboratory with mini project
C311	17IS61	Cryptography, Network Security and Cyber Law	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18IS61	File Structures
C312	17IS62	File Structures	2.9	2.6	2.6	2	2.6	2.6	2.6	2.6	2.6	2.6	18IS62	Software Testing
C313	17CS63	Software Testing	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS63	Web Technology and its applications
C314	17CS64	Operating Systems	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS644	Advanced JAVA and J2EE
C315	17CS651	Data Mining and Data Warehousing	2.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18MT651	Robotics and Automation

<b>C316</b>	17CS664	Python Application Programming	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18ISL66	Software Testing Laboratory
<b>C317</b>	17ISL67	Software Testing Laboratory	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18ISL67	File Structures Laboratory with mini project
<b>C318</b>	17ISL68	File Structures Laboratory with mini project	2.8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18CSMP68	Mobile Application Development
<b>C401</b>	17CS71	Web Technology and its applications	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	18CS71	Artificial Intelligence and Machine
<b>C402</b>	17IS72	Software Architecture and Design Patterns	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS72	Big Data Analytics
<b>C403</b>	17CS73	Machine Learning	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS734	User Interface Design
<b>C404</b>	17CS742	Cloud Computing and its Applications	2.2	1.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS744	Cryptography
<b>C405</b>	17CS754	Storage Area Networks	2.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18EC752	Neural Networks
<b>C406</b>	17CSL76	Machine Learning Laboratory	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18CSL76	Artificial Intelligence and Machine
<b>C407</b>	17CSL77	Web Technology Laboratory with mini project	2.8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18CSP77	Project Work Phase – 1
<b>C408</b>	17ISP78	Project Work Phase-I + Project work Seminar	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	18CSP78	Internship

C411	17CS81	Internet of Things	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS81	Internet of Things
C412	17CS82	Big Data Analytics	2.5	2.6	2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	18CS822	Storage Area Networks
C413	17CS834	System Modeling and Simulation	2.8											
C414	17IS84	Internship/Professional Practice	3	3	3	3	3	3	3	3	3	3	18CSP83	Project Work Phase-2
C415	17ISP85	Project Phase - II	3	3	3	3	3	3	3	3	3	3	18CSS84	Technical Seminar
C416	17ISS86	Seminar	3	3	3	3	3	3	3	3	3	3	18CSI85	Internship



**Dr. R. KANAGAVALLI**  
**PROFESSOR & HOD-ISE**

**The Oxford College Of Engineering**  
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### CO ATTAINMENT

2018-22

COURSE	SET TARGET	CO1	CO2	CO3	CO4	CO5	CO6	CO ATTAINMENT
C201	2.2	2.2	2.2	2.2	2.2	2.2		2.2
C202	2.1	2.6	2.6	2	2.6	2.6	2.6	2.5
C203	1.7	1.4	1	1.8	1	1.8		1.4
C204	2.3	1.4	1.4	1.4	1	1.8		1.4
C205	2.3	1.4	1	1.8	1	1.8		1.4
C206	2.2	1.8	1.8	1.8	1.8	1.8		1.8
C207	2.6	3	3	3	3	3		3.0
C208	3	3	3	3	3	3		3.0
C211	1.6	2.4	2.4	2.4	2.4	2.4		2.4
C212	1.4	2	2.6	2.6	2.6	2.6	2.6	2.5
C213	1.4	1.4	1.4	2.6	2.6	2.6		2.1
C214	1.8	2.2	1.6	2.2	1	2.2	1.6	1.8
C215	2.5	3	3	3	3	3		3.0
C216	1.9	1.4	2.6	1.4	2.6	2.6		2.1
C217	3	3	3	3	3	3		3.0
C218	2.6	3	3	3	3	3		3.0
C301	2	2.6	2.6	2.6	2.6	2.6		2.6
C302	2.4	2.2	2.2	2.2	2.2	2.2		2.2
C303	2.4	3	2.2	2.2	2.2	2.2		2.4
C304	2.1	1.6	2.2	2.2	2.2	2.2		2.1
C305	2	2.6	2.6	2	2.6	2.6		2.5
C306	2.1	2.2	2.2	1.6	2.2	2.2		2.1
C307	2.8	3	3	3	3	3		3.0
C308	2.9	3	3	3	3	3		3.0
C311	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6
C312	2.9	2.6	2.6	2	2.6	2.6	2.6	2.5
C313	2.3	2.6	2.6	2.6	2.6	2.6		2.6
C314	2.5	2.6	2.6	2.6	2.6	2.6		2.6
C315	2.9	2.6	2.6	2.6	2.6	2.6		2.6
C316	3	3	3	3	3	3		3.0
C317	3	3	3	3	3	3		3.0
C318	2.8	3	3	3	3	3		3.0
C401	1.8	1.8	1.8	1.4	1.8	1.8		1.7

C402	2.6	2.6	2.6	2	2.6	2.6	2.6	2.5
C403	2.1	2.6	2.6	2.6	2.6	2.6		2.6
C404	2.2	1.4	2.6	1.4	2.6	2		2.0
C405	2.9	2.6	2.6	2	2.6	2.6		2.5
C406	3	3	3	3	3	3		3.0
C407	2.8	3	3	3	3			3.0
C408	3	3	3	3	3			3.0
C411	2.6	2.6	2.6	2.6	2.6	2.6		2.6
C412	2.5	2.6	2.6	2	2.6	2.6	2.6	2.5
C413	3	3	3	3	3			3.0
C414	3	3	3	3	3			3.0
C415	3	3	3	3	3			3.0

*R. Kanagavalli*

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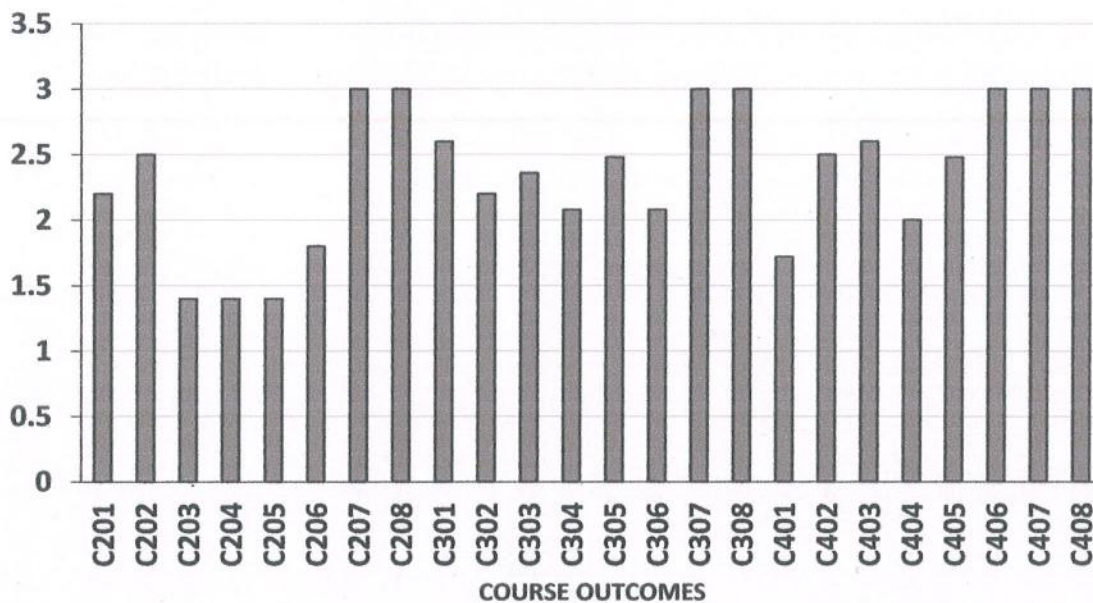
### DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

#### CO ATTAINMENT ODD SEMESTER

2018-22

COURSE	CO
C201	2.2
C202	2.5
C203	1.4
C204	1.4
C205	1.4
C206	1.8
C207	3
C208	3
C301	2.6
C302	2.2
C303	2.36
C304	2.08
C305	2.48
C306	2.08
C307	3
C308	3
C401	1.72
C402	2.5
C403	2.6
C404	2
C405	2.48
C406	3
C407	3
C408	3

ODD SEM 2018-22



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PROFESSOR & HOD-ISE

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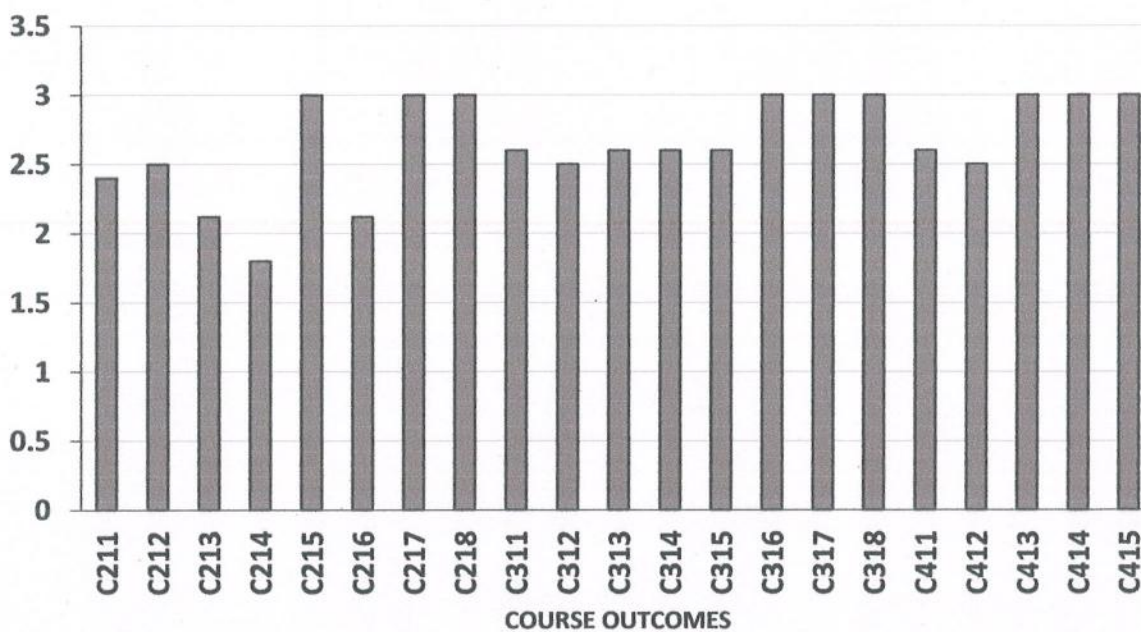
### DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

#### CO ATTAINMENT EVEN SEMESTER

2018-22

COURSE	CO
C211	2.4
C212	2.5
C213	2.12
C214	1.8
C215	3
C216	2.12
C217	3
C218	3
C311	2.6
C312	2.5
C313	2.6
C314	2.6
C315	2.6
C316	3
C317	3
C318	3
C411	2.6
C412	2.5
C413	3
C414	3
C415	3

EVEN SEM 2018-22



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 The Oxford College Of Engineering  
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 Bengaluru, 560 082



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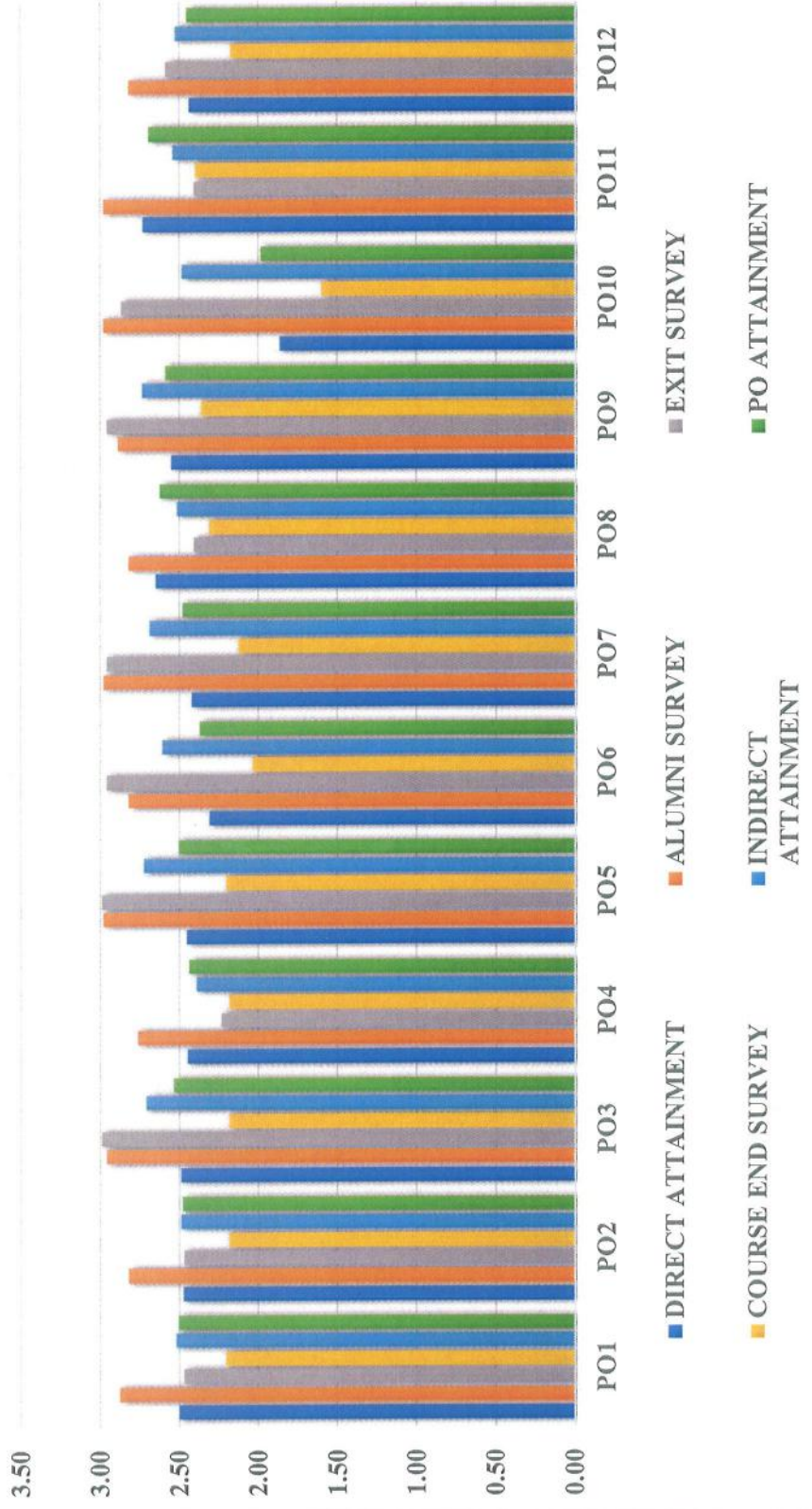
## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

### PO ATTAINMENT

2018-22

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DIRECT ATTAINMENT	2.50	2.48	2.49	2.45	2.45	2.31	2.43	2.65	2.55	1.87	2.73	2.44
ALUMNI SURVEY	2.88	2.82	2.96	2.76	2.98	2.82	2.98	2.82	2.89	2.98	2.98	2.82
EXIT SURVEY	2.47	2.47	2.99	2.24	2.99	2.96	2.96	2.41	2.96	2.87	2.41	2.59
COURSE END SURVEY	2.21	2.19	2.19	2.19	2.21	2.04	2.13	2.31	2.36	1.60	2.40	2.18
INDIRECT ATTAINMENT	2.52	2.49	2.71	2.39	2.73	2.61	2.69	2.52	2.74	2.48	2.54	2.53
PO ATTAINMENT	2.51	2.48	2.54	2.44	2.51	2.37	2.48	2.62	2.59	1.99	2.69	2.46

# ATTAINMENT GRAPH 2018-22



*Neetha*  
**Dr. R. KANAGAVALLI**  
**PROFESSOR & HOD-ISE**  
**The Oxford College Of Engineering**  
**Bommanahalli, Hosur Main Road,**  
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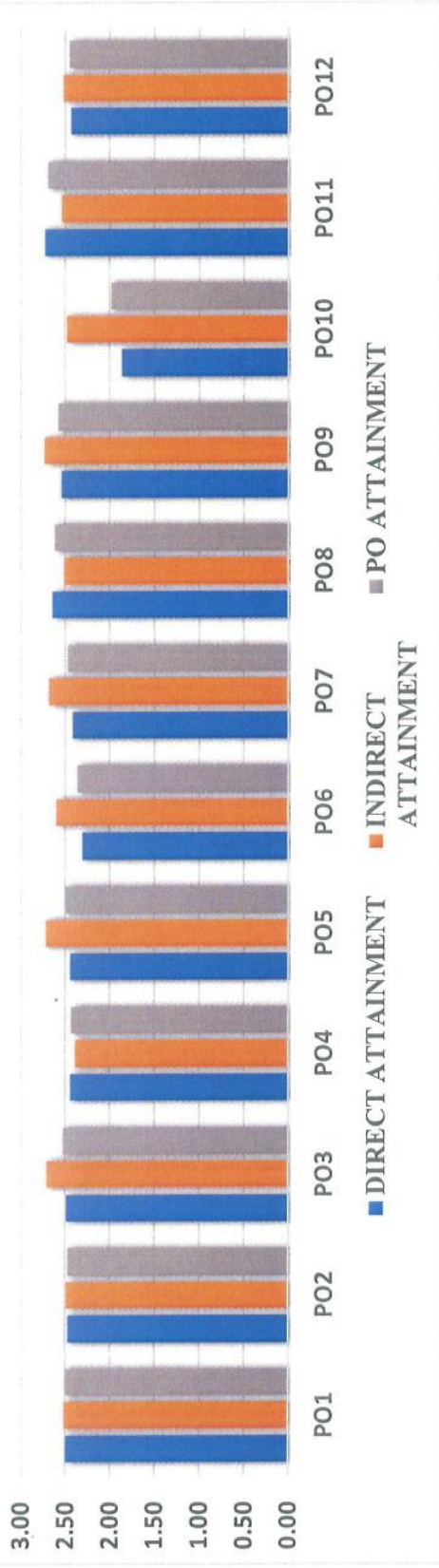
2018-22

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DIRECT ATTAINMENT	2.50	2.48	2.49	2.45	2.45	2.31	2.43	2.65	2.55	1.87	2.73	2.44
INDIRECT ATTAINMENT	2.52	2.49	2.71	2.39	2.73	2.61	2.69	2.52	2.74	2.48	2.54	2.53
PO ATTAINMENT	2.51	2.48	2.54	2.44	2.51	2.37	2.48	2.62	2.59	1.99	2.69	2.46

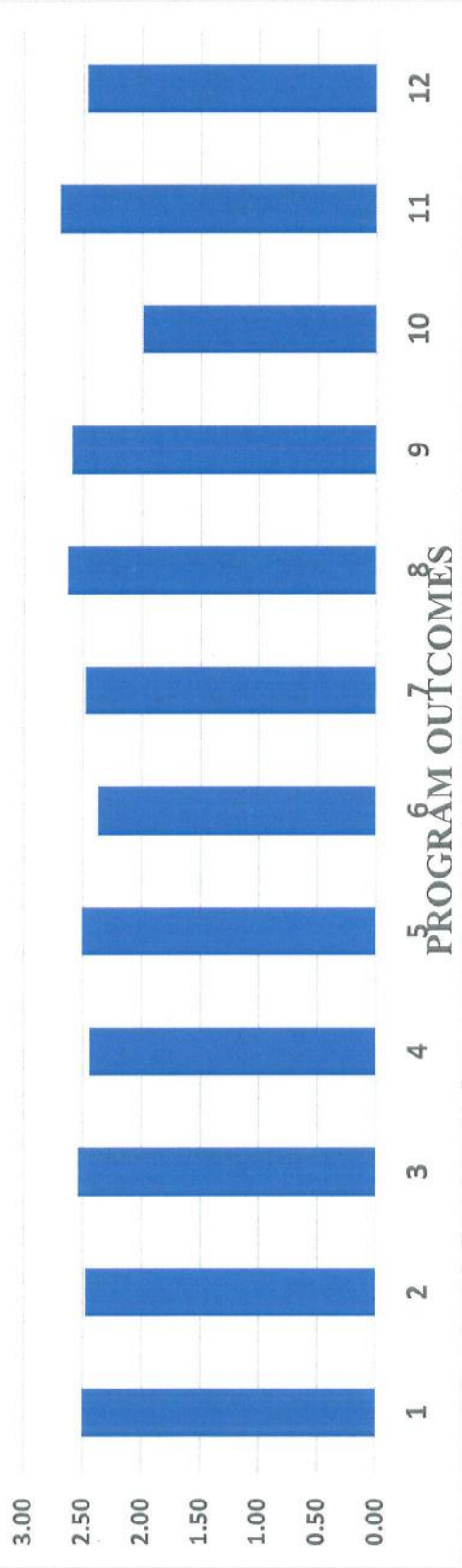
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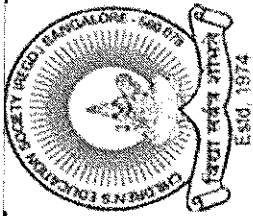
# ATTAINMENT GRAPH 2018-22



# PO ATTAINMENT 2018-22



*[Signature]*  
 PROFESSOR & ...  
 The Oxford College Of Engineering  
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Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201	2.5	2.33	2.56	1.4	1			3	1			
C202	2.51	2.52	2.47	2.51	2.53	2.6	2.6	2.6		2.6		2.6
C203	1.37	1.4	1.8	1.48	1.48	1.4	1.8			1.4		1.2
C204	1.33	1.31	1.33	1.29	1.33							1.35
C205	1.37	1.4	1.43	1.46	1.45	1.4	1.67	1.4		1.4		1.27
C206	2.55	2.68	2.68	3	3	2.92						
C207	3	3	3	3	3			3				3
C208	3	3	3	3	3			3				3
C211	2.5	2.33	1.5	1.4	2			3	1			
C212	2.11	1.93	2.11	1.74	2.07	1.4	2.6	2.6	2.6	1.4	2.6	2.1


C213	2.3	2.3	2.42	2.6	2.6	2.6											
C214	1.85	1.75	1.75	1.68	1.8												
C215	2.11	1.93	2.11	1.74	2.07	1.4	2.6	2.6	2.6	1.4	2.6					2.1	
C216	1.67	1.67	1.6	1.6	1.6	1.8	1.8										
C217	3	3	3	3	3			3								3	
C218	3	3	3	3	3			3								3	
C301	2.6	2.6	2.6	2.6												2.6	
C302	2.2	2.2	2.2	2.2		2.2	2.2	2.2									
C303	2.63	2.63	2.63	2.67	2.47											2.63	
C304	2.2	2.6	2.75	2.2	2	1	2									2	
C305	2.6		2.6		2.6	2.45	2.56	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.5	
C306							1.6										
C307	3	3	3	3	3			3								3	
C308	3	3	3	3	3			3								3	

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C408	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
C411	2.6		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
C412	2.54		2.3		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.54
C413	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
C414	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
C415	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
DIRECT ATTAINMENT	2.50	2.48	2.49	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.44
ALUMNI SURVEY	2.88	2.82	2.96	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.82
EXIT SURVEY	2.47	2.47	2.99	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.59
COURSE END SURVEY	2.21	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.18
INDIRECT ATTAINMENT	2.5	2.5	2.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5
PO ATTAINMENT	2.51	2.48	2.54	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.46

  
**DR. R. KANAGAVALLI**  
**PROFESSOR & HOD-ISE**  
The Oxford College Of Engineering  
Bommanahalli, Hosur Main Road,  
Bengaluru 560 086.



**THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bommanahalli, Bengaluru

Website: [www.theoxford.edu](http://www.theoxford.edu) Email : [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu)

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**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

**PSO ATTAINMENT**

**2018-22**

COURSE	PSO1	PSO2	PSO3
C201			
C202	2.53	2.55	2.6
C203	1.34	1.4	1.6
C204	1.27	1.34	1.32
C205	1.35	1.4	1.6
C206			
C207	2.8		
C208	3		3
C211			
C212	2.1	2.08	2.15
C213	2.54	2.6	2.6
C214	1.76	1.69	2.2
C215	1.32	1.29	1.33
C216	2.1	2.08	2.15

C217	3		
C218	2.6		
C301	2.6	2.6	2.6
C302	2.2	2.2	2.2
C303	2.8	2.6	2.7
C304	2.6	2	1.5
C305	2.52	2.4	2.6
C306	2.2	1.9	2.2
C307	2.87	2.92	3
C308	2.4	2.4	2.4
C311	2.6	2.6	2.6
C312	2.52	2.4	2.6
C313	2.25	2.02	2.08
C314	2.6	2.6	2.6
C315	2.6	2.6	2.6
C316	3		3
C317	3	3	
C318	2.8	2.8	2.8
C401	1.67	1.71	1.8
C402	2.54	2.48	2.53

C403	2.6	2.6	2.6	2.6
C404	2.1	2.08	2.15	2.15
C405	2.51	2.34	2.6	2.6
C406	3		3	3
C407		2.8	2.8	2.8
C408	3	3	2	2
C411	2.6	2.6	2.6	2.6
C412	2.6		2.3	2.3
C413	3	3	2	2
C414	3	3	2	2
C415	2.8		2.8	2.8
<b>DIRECT ATTAINMENT</b>	2.46	2.33	2.35	2.35
<b>INDIRECT ATTAINMENT</b>	2.52	2.63	2.57	2.57
<b>PSO ATTAINMENT</b>	2.47	2.39	2.39	2.39

*Dr. R. Kanagavalli*

**Dr. R. KANAGAVALLI**  
**PROFESSOR & HOD-ISE**  
The Oxford College Of Engineering  
Bommanahalli, Hosur Main Road,  
Bengaluru 560 086.



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru

Website: [www.theoxford.edu](http://www.theoxford.edu) Email : [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu)

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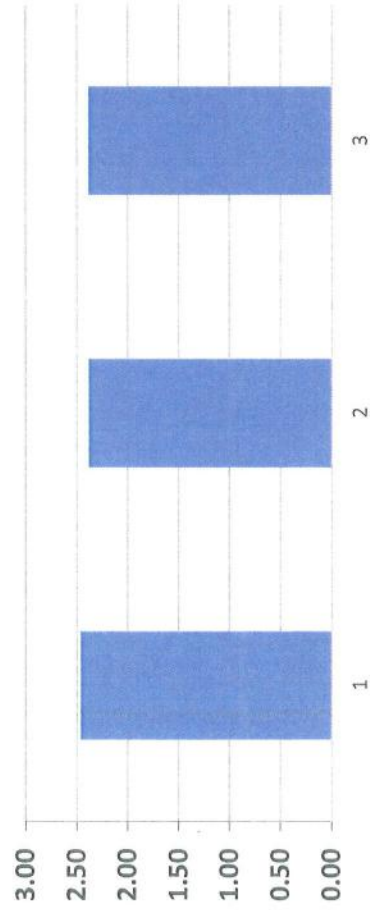
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## PSO ATTAINMENT

2018-22

	PSO1	PSO2	PSO3
DIRECT ATTAINMENT	2.46	2.33	2.35
INDIRECT ATTAINMENT	2.52	2.63	2.57
PSO ATTAINMENT	2.47	2.39	2.39

## PSO ATTAINMENT 2018-22



## PROGRAM SPECIFIC OUTCOMES

  
Dr. R. KANAGAVALLI  
PROFESSOR & HOD-ISE  
The Oxford College Of Engineering  
Bommanahalli, Hosur Main Road,  
Bengaluru 560 078.