




**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**

Recognized by the Govt. of Karnataka. Affiliated to Visvesvaraya Technological University, Belagavi.  
Approved by AICTE, New Delhi.  
Recognized by UGC Under Section 2(F)(1)  
Bommanahalli, Hosur Road, Bangalore - 560 068  
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**PROJECT WORK/FIELD WORK/INTERNSHIP REPORT FOR THE YEAR**  
**2022-23**

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**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068



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## **Summary on Document showing project work, Internship /Field visit prescribed by affiliating university curriculum**

To integrate project work, Internship /Field visit, The Oxford College of Engineering, Bangalore has incorporated various types of courses into the curriculum, some of which aim to enhance professional competencies while others aim to instil general competencies such as social ethical values, human values, environmental sensitivity, and so on, resulting in the holistic development of students.

### **Project Work**

Project-based learning has proven to be one of the most effective ways to engage students and provide a practical application for what they're learning. Project-based learning not only provides opportunities for students to collaborate or drive their own learning, but it also teaches them skills such as problem solving, and helps to develop additional skills integral to their future, such as critical thinking and time management. And maybe more importantly, it provides students with an opportunity to create authentic projects which are meaningful to society. Students have the chance to pursue their own interests and as a result, opportunities for learning for students and teachers are tremendous. Benefits of project-based learning: Collaboration, Problem Solving, Creativity, In-Depth Understanding, Self-Confidence, Critical Thinking, Perseverance, Project Management, Curiosity, Empowerment.

### **Internship**

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development, and to learn new skills.

### **Field visit**

A field trip or excursion is a journey by the college students to a place away from the normal college environment. Field trips can be educationally and socially engaging additions to students. The objective of all field trips in the college is to expose students to various parts of their community, facilitate connections between students and others, and help students understand themselves as members of their local community. The lessons that follow are general ideas; research specific destinations and activities in or near your community. Social field trips are also beneficial to building camaraderie amongst participants and for having fun!

### **Mini Project**

A mini-project is a short, practical problem which requires for its solution the application of the knowledge and skills developed in previously completed set experiments.

### **Social Connect Responsibility**

Social Connect Responsibility focuses on interacting with others and the natural world in respectful and caring ways.



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**2022-23**

**UG**

**CSE**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Choice Based Credit System (CBCS) AND Outcome Based Education (OBE)												
(Effective from the academic year 2018 – 19)												
VIII SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours/Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18CS81	Internet of Things	CS / IS	3	--	--	03	40	60	100	3
2	PEC	18CS82X	Professional Elective – 4	CS / IS	3	--	--	03	40	60	100	3
3	Project	18CSP83	Project Work Phase – 2	CS / IS	--	--	2	03	40	60	100	8
4	Seminar	18CSS84	Technical Seminar	CS / IS	--	--	2	03	100	--	100	1
5	INT	18CSI85	Internship	(Completed during the intervening vacations of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
<b>Note: PCC: Professional Core, PEC: Professional Elective, OEC: Open Elective, INT: Internship.</b>												
<b>Professional Electives – 4</b>												
<b>Course code under 18CS82X</b>		<b>Course Title</b>										
18CS821		Mobile Computing										
18CS822		Storage Area Networks										
18CS823		NoSQL Database										
18CS824		Multicore Architecture and Programming										
<b>Project Work CIE procedure for Project Work Phase - 2:</b>												
(i) <b>Single discipline:</b> The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.												
(ii) <b>Interdisciplinary:</b> Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.												
<b>SEE for Project Work Phase - 2:</b>												
(i) <b>Single discipline:</b> Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.												
(ii) <b>Interdisciplinary:</b> Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted separately at the departments to which the student/s belong to.												
<b>Internship:</b> Those, who have not pursued /completed the internship shall be declared as fail and have to complete during subsequent University												



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Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VIII SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18CS81	Internet of Things	CS / IS	3	--	--	03	40	60	100	3
2	PEC	18CS82X	Professional Elective – 4	CS / IS	3	--	--	03	40	60	100	3
3	Project	18CSP83	Project Work Phase – 2	CS / IS	--	--	2	03	40	60	100	8
4	Seminar	18CSS84	Technical Seminar	CS / IS	--	--	2	03	100	--	100	1
5	INT	18CSI85	Internship	(Completed during the intervening vacations of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
<b>Note: PCC: Professional Core, PEC: Professional Elective, OEC: Open Elective, INT: Internship.</b>												
<b>Professional Electives – 4</b>												
<b>Course code under 18CS82X</b>		<b>Course Title</b>										
18CS821		Mobile Computing										
18CS822		Storage Area Networks										
18CS823		NoSQL Database										
18CS824		Multicore Architecture and Programming										
<b>Project Work CIE procedure for Project Work Phase - 2:</b>												
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<b>SEE for Project Work Phase - 2:</b>												
(i) <b>Single discipline:</b> Contribution to the project and the performance of each group member shall be assessed individually in semester end examination (SEE) conducted at the department.												
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<b>Internship:</b> Those, who have not pursued /completed the internship shall be declared as fail and have to complete during subsequent University examination after satisfying the internship requirements												





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ECE

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Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
Programme: B.E: Electronics & Communication Engineering												
VIII SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18EC81	Wireless and Cellular Communication		3	--	--	03	40	60	100	3
2	PEC	18XX82X	Professional Elective - 4		3	--	--	03	40	60	100	3
3	Project	18ECP83	Project Work Phase - 2		--	--	2	03	40	60	100	8
4	Seminar	18ECS84	Technical Seminar		--	--	2	03	100	--	100	1
5	Internship	18EC185	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
<b>Note:</b> PCC: Professional Core, PEC: Professional Elective.												
<b>Professional Elective - 4</b>												
<b>Course code under 18XX82X</b>		<b>Course Title</b>										
18EC821		Network Security										
18EC822		Micro Electro Mechanical Systems										
18EC823		Radar Engineering										
18EC824		Optical Communication Networks										
18EC825		Biomedical Signal Processing										



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EEE

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VIII SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18EE81	Power System Operation and Control	EEE	3	--	--	03	40	60	100	3
2	PEC	18EE82X	Professional Elective - 4	EEE	3	--	--	03	40	60	100	3
3	Project	18EEP83	Project Work Phase - 2		--	--	2	03	40	60	100	8
4	Seminar	18EE584	Technical Seminar		--	--	2	03	100	--	100	1
5	Internship	18EE85	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>

Note: PCC: Professional Core, PEC: Professional Elective.

**Professional Electives - 4**

Course code under 18XX82X	Course Title
18EE821	FACTs and HVDC Transmission
18EE822	Electrical Estimation and Costing
18EE823	Big Data Analytics in Power Systems
18EE824	Power System Planning
18EE825	Electrical Power Quality

**Project Work**

**CIE procedure for Project Work Phase - 2:**

(i) **Single discipline:** The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

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**SEE for Project Work Phase - 2:**



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ME

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					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18ME81	Energy Engineering		3	--	--	03	40	60	100	3
2	PEC	18ME82X	Professional Elective - 4		3	--	--	03	40	60	100	3
3	Project	18MEP83	Project Work Phase - 2		--	--	2	03	40	60	100	8
4	Seminar	18MES84	Technical Seminar		--	--	2	03	100	--	100	1
5	Internship	18XXI85	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
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<b>Professional Electives - 4</b>												
<b>Course code under 18XX82X</b>	<b>Course Title</b>			<b>Course code under 18XX82X</b>	<b>Course Title</b>							
18ME821	CNC Machine Tools			18ME824	Automobile Engineering							
18ME822	Tribology			18ME825	Tool Design							
18ME823	Non-Destructive Testing and Evaluation			18ME826	Fracture Mechanics							
<b>Project Work</b>												
<b>CIE procedure for Project Work Phase - 2:</b>												
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Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
Programme: BIOTECHNOLOGY												
VIII SEMESTER												
Sl. No	Course and Course Code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18BT81	Regulatory Affairs in Biotech Industry	Biotech	3	--	--	03	40	60	100	3
2	PEC	18BT82X	Professional Elective - 4	Biotech	3	--	--	03	40	60	100	3
3	Project	18BTP83	Project Work Phase - 2	-	--	--	2	03	40	60	100	8
4	Seminar	18BT884	Technical Seminar	-	--	--	2	03	100	--	100	1
5	Internship	18BT85	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
Note: PCC: Professional Core, PEC: Professional Elective.												
<b>Professional Electives - 4</b>												
Course code under 18BT82X		Course Title										
18BT821		Environmental Biotechnology										
18BT822		Industrial Microbiology										
18BT823		Marine Biotechnology										
<b>Project Work</b>												
<b>CIE procedure for Project Work Phase - 2:</b>												
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<b>Internship:</b> Those, who have not pursued /completed the internship, will be declared as failed and have to complete during subsequent University examination after satisfying the internship requirements.												
<b>AICTE activity Points:</b> In case a student fails to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. The principals shall include the prescribed activity points earned by the students along with the CIE marks.												





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CV

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Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
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Programme: CIVIL ENGINEERING												
VIII SEMESTER												
Sl.No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	Credits
					L	T	P					
1	PCC	18CV81	Design of Pre-stressed Concrete	Civil Engg.	3	--	--	03	40	60	100	3
2	PEC	18CV82X	Professional Elective - 4	Civil Engg.	3	--	--	03	40	60	100	3
3	Project	18CV83	Project Work Phase - 2	Civil Engg.	--	--	16	03	40	60	100	8
4	Seminar	18CVS84	Technical Seminar	Civil Engg.	--	--	2	03	100	--	100	1
5	Internship	18CV185	Internship	Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)				03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>18</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
<b>Note:</b> PCC: Professional Core, PEC: Professional Elective.												
<b>Professional Electives - 4</b>												
<b>Course code under 18CV82X</b>		<b>Course Title</b>										
18CV821		Bridge Engineering										
18CV822		Prefabricated Structures										
18CV823		Advanced Foundation Engineering										
18CV824		Rehabilitation & Retrofitting										
18CV825		Pavement Design										
<b>Project Work</b>												
<b>CIE procedure for Project Work Phase - 2:</b>												
<b>(i) Single discipline:</b> The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.												
<b>(ii) Interdisciplinary:</b> Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.												
<b>SEE for Project Work Phase - 2:</b>												



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
CIVIL ENGINEERING												
Scheme of Teaching and Examination 2018 - 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 - 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/Drawin	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18CV61	Design of Steel Structural Elements	Civil Engg.	3	2	--	03	40	60	100	4
2	PCC	18CV62	Applied Geotechnical Engineering	Civil Engg.	3	2	--	03	40	60	100	4
3	PCC	18CV63	Hydrology and Irrigation Engineering	Civil Engg.	3	2	--	03	40	60	100	4
4	PEC	18CV64X	Professional Elective -1	Civil Engg.	3	--	--	03	40	60	100	3
5	OEC	18CV65X	Open Elective -A	Civil Engg.	3	--	--	03	40	60	100	3
6	PCC	18CVL66	Software Application Laboratory	Civil Engg.	--	2	2	03	40	60	100	2
7	PCC	18CVL67	Environmental Engineering Laboratory	Civil Engg.	--	2	2	03	40	60	100	2
8	EP	18CV68	Extensive Survey project	Civil Engg.	--	2	2	03	40	60	100	2
9	Internship	--	Internship	To be carried out during the vacation/s of VI and VII semesters and /or VII and VIII semesters.								
<b>TOTAL</b>					<b>15</b>	<b>12</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>
<b>Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.</b>												
<b>Professional Elective -1</b>												
Course code under 18CV64X												
18CV641			Matrix Method of Structural Analysis									



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
B.E. In MECHATRONICS												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VIII SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18MT81	Automotive Electronics & Hybrid Vehicles		4	--	--	03	40	60	100	3
2	PEC	18MT82X	Professional Elective - 4		3	--	--	03	40	60	100	3
3	Project	18MTP83	Project Work		--	--	2	03	40	60	100	8
4	Seminar	18MTS84	Technical Seminar		--	--	2	03	100	--	100	1
5	Internship	18MTI85	Internship		Completed during the vacation/s of VI and VII semesters and /or VII and VIII semesters.)			03	40	60	100	3
<b>TOTAL</b>					<b>06</b>	<b>--</b>	<b>04</b>	<b>15</b>	<b>260</b>	<b>240</b>	<b>500</b>	<b>18</b>
<b>Note:</b> PCC: Professional Core, PEC: Professional Elective.												
<b>Professional Electives - 4</b>												
<b>Course code under 18XX82X</b>		<b>Course Title</b>										
18 MT821		Operation Research.										
18 MT822		Communication system										
18 MT823		Digital Control System										
18 MT824		Management Information Systems										
18 MT825		Radar Engineering										
<b>Project Work</b>												
<b>CIE procedure for Project Work Phase - 2:</b>												
<b>(i) Single discipline:</b> The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.												
The CIE marks awarded for the project work phase -2, shall be based on the evaluation of project work phase -2 Report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.												
<b>(ii) Interdisciplinary:</b> Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable.												
The CIE marks awarded for the project work phase -2 shall be based on the evaluation of project work phase -2 Report, project presentation skill												





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**CV**      **2022-23**  
**PG**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI										
Scheme of Teaching and Examination – 2018 - 19										
M.Tech Name of the programme (CSE)										
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)										
III SEMESTER										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC	18CSE31	Design of Concrete Bridges	04	--	03	40	60	100	4
2	PEC	18CSE32X	Professional elective 3	04	--	03	40	60	100	4
3	PEC	18CSE33X	Professional elective 4	04	--	03	40	60	100	4
4	Project	18CSE34	Evaluation of Project phase -1	--	02	--	100	--	100	2
5	INT	18CSE135	Internship	(Completed during the intervening vacation of I and II semesters and /or II and III semesters.)		03	40	60	100	6
<b>TOTAL</b>				12	02	12	260	240	500	20
<b>Note: PCC: Professional core, PEC: Professional Elective.</b>										
<b>Professional elective 3</b>					<b>Professional elective 4</b>					
<b>Course Code under 18CSE32X</b>	<b>Course title</b>			<b>Course Code under 18CSE33X</b>	<b>Course title</b>					
18CSE321	Design Concepts of Substructures			18CSE331	Fracture Mechanics applied to concrete					
18CSE322	Repair and Rehabilitation of Structures			18CSE332	Design of Masonry Structures					
18CSE323	Theory of Plates and Shells			18CSE333	Design of Formwork					
18CSE324	Optimization Techniques			18CSE334	Composite materials					



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI										
Scheme of Teaching and Examination – 2018 - 19										
M.Tech Name of the programme (CSE)										
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)										
IV SEMESTER										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Field work/ Assignment	Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	
1	Project	18CSE41	Project work phase -2	--	04	03	40	60	100	20
<b>TOTAL</b>				--	<b>04</b>	<b>03</b>	<b>40</b>	<b>60</b>	<b>100</b>	<b>20</b>
<p><b>Note:</b>  <b>1. Project Phase-2:</b>            CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide, if any, and a Senior faculty of the department. The CIE marks awarded for project work phase -2, shall be based on the evaluation of Project Report subjected to plagiarism check, Project Presentation skill and Question and Answer session in the ratio 50:25:25.            SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism check, shall be as per the University norms.</p>										



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**MBA**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI					
Scheme of Teaching and Examinations – 2020 - 21					
MASTER OF BUSINESS ADMINISTRATION					
Choice Based Credit System (CBCS) and Outcome Based Education(OBE)					
III SEMESTER					
Core Courses					
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBA301	Emerging Exponential Technologies	20MBA301	Emerging Exponential Technologies	20MBA301	Emerging Exponential Technologies
20MBA302	Technology & Operational Strategy	20MBA302	Technology & Operational Strategy	20MBA302	Technology & Operational Strategy
Specialisation Courses					
Marketing Professional Elective Courses		Finance Professional Elective Courses		Human Professional Elective Courses	
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBAMM303	Services Marketing	20MBAFM 303	Investment Management	20MBAHR303	Recruitment & Selection
20MBAMM304	Marketing Research & Analytics	20MBAFM304	Direct Taxation	20MBAHR304	Human Resource Analytics
20MBAMM305	Consumer Behaviour	20MBAFM305	Banking and Financial Services	20MBAHR305	Industrial Relations and Labour Laws
20MBAMM306	Retail Management	20MBAFM306	Advanced Financial Management	20MBAHR306	Compensation & Reward System
20MBAIN307	Internship	20MBAIN307	Internship	20MBAIN307	Internship





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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
Scheme of Teaching and Examinations – 2020 - 21  
MASTER OF BUSINESS ADMINISTRATION  
Choice Based Credit System (CBCS) and Outcome Based Education(OBE)**

**IV SEMESTER (Specialisation Courses)**

Marketing Specialization		Financial Specialization		Human Resource Specialization	
Subject Code	Title of the Subject	Subject Code	Title of the Subject	Subject Code	Title of the Subject
20MBAMM401	B2B Marketing Management	20MBAFM401	Risk Management and Insurance	20MBAHR401	Organizational Leadership
20MBAMM402	Logistics and Supply Chain Management	20MBAFM402	Financial Derivatives	20MBAHR402	Personal Growth & Interpersonal Effectiveness
20MBAMM403	Digital Marketing Management	20MBAFM403	Indirect Taxation	20MBAHR403	International Human Resource Management
20MBAMM404	Strategic Brand Management	20MBAFM404	Mergers, Acquisitions & Corporate Restructuring	20MBAHR404	Organization Change and Development
20MBAMM405	Agri Business Marketing	20MBAFM405	Corporate Valuation	20MBAHR405	Human Recourse Audit
20MBAMM406	International Marketing Management	20MBAFM406	International Financial Management	20MBAHR406	Management Consulting for Business Excellence
20MBAPR407	Project Report	20MBAPR407	Project Report	20MBAPR407	Project Report



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**MCA**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination <b>Master of Computer Applications</b> Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) Scheme											
SEMESTER-IV											
S.No	Course Type	Course Code	Title	Teaching Hours/Week			Examination			Credits	
				Lecture(L)	Tutorial(T)	Practical(P)/Seminar	Duration in hours	SEE Marks	CIE Marks		Total Marks
1	PCC	20MCA41	Advances in Web Technologies	02	02	-	03	60	40	100	02
2	PCC	20MCA42	Programming using C#	02	02	-	03	60	40	100	02
3	PCC	20MCA43	Industry Internship ( 4 weeks in vacation of 3 <sup>rd</sup> sem.)	-	-	-	-	-	100	100	02
4	PCC	20MCA44	Project work Phase 2 (During 4 <sup>th</sup> Semester- min. of 4 Months)	-	-	02	03	60	40	100	20
<b>Total</b>				<b>4</b>	<b>4</b>	<b>02</b>	<b>09</b>	<b>180</b>	<b>220</b>	<b>400</b>	<b>26</b>
<p><b>Internship:</b> All the students have to undergo mandatory internship of 4 weeks during the vacation of III semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in internship course and have to complete the same during the subsequent semester. After satisfying the internship requirements the degree will be awarded. However, student can carry out 4<sup>th</sup> semester project without completing the internship.</p> <p><b>Project:</b> The candidate should carry out the project in any industry or R&amp;D institution or educational institution under a guide/co-guide. The candidate has to present the work carried out before the examiners during the University examination. The work out carried out should be free from plagiarism. The</p>											

02.03.2021 updated

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**2022-23**

**Mini-Project**

**CSE**

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Scheme of Teaching and Examination 2018 – 19												
Choice Based Credit System (CBCS) AND Outcome Based Education (OBE)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours/Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18CS61	System Software and Compilers	CS / IS	3	2	–	03	40	60	100	4
2	PCC	18CS62	Computer Graphics and Visualization	CS / IS	3	2	–	03	40	60	100	4
3	PCC	18CS63	Web Technology and its applications	CS / IS	3	2	–	03	40	60	100	4
4	PEC	18CS64X	Professional Elective -I	CS / IS	3	–	–	03	40	60	100	3
5	OEC	18CS65X	Open Elective –A	CS / IS	3	–	–	03	40	60	100	3
6	PCC	18CSL66	System Software Laboratory	CS / IS	–	2	2	03	40	60	100	2
7	PCC	18CSL67	Computer Graphics Laboratory with mini project	CS / IS	–	2	2	03	40	60	100	2
8	MP	18CSMP68	Mobile Application Development	CS / IS	–	–	2	03	40	60	100	2
9	INT	--	Internship	(To be carried out during the intervening vacations of VI and VII semesters)				--	--	--	--	--
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project, INT: Internship.





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ISE

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Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18IS61	File Structures	CS / IS	3	2	–	03	40	60	100	4
2	PCC	18IS62	Software Testing	CS / IS	3	2	–	03	40	60	100	4
3	PCC	18CS63	Web Technology and its applications	CS / IS	3	2	–	03	40	60	100	4
4	PEC	18CS64X	Professional Elective -1	CS / IS	3	–	–	03	40	60	100	3
5	OEC	18CS65X	Open Elective –A	CS / IS	3	–	–	03	40	60	100	3
6	PCC	18ISL66	Software Testing Laboratory	CS / IS	–	2	2	03	40	60	100	2
7	PCC	18ISL67	File Structures Laboratory with mini project	CS / IS	–	2	2	03	40	60	100	2
8	MP	18ISMP68	Mobile Application Development	CS / IS	–	–	2	03	40	60	100	2
9	INT	–	Internship	(To be carried out during the intervening vacations of VI and VII semesters)				–	–	–	–	–
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project, INT: Internship.

ECE

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
Programme: ECE: Electronics & Communication Engineering												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18EC61	Digital Communication	EE	3	2	–	03	40	60	100	4
2	PCC	18EC62	Embedded Systems	EE	3	2	–	03	40	60	100	4
3	PCC	18EC63	Microprocessors and Antennas	EE	3	2	–	03	40	60	100	4
4	PEC	18EC64X	Professional Elective -1	EE	3	–	–	03	40	60	100	3
5	OEC	18EC65X	Open Elective -A	EE	3	–	–	03	40	60	100	3
6	PCC	18EC66	Embedded Systems Laboratory	EE	–	2	2	03	40	60	100	2
7	PCC	18EC67	Communication Laboratory	EE	–	2	2	03	40	60	100	2
8	MP	18EC68X	Mini-projects	EE	–	–	2	03	40	60	100	2
9	Internship	–	Internship	(To be carried out during the vacations of VI and VII semesters and/or VII and VIII semesters)				–	–	–	–	–
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.

Course code under 18EC64X	Course Title
18EC641	Operational Systems
18EC642	Artificial Neural Networks
18EC643	Data Structures using C++
18EC644	Digital System Design Using Verilog
18EC645	Microprocessors
18EC646	Python Application Programming



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EEE

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Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18 EE61	Control Systems	EEE	3	2	–	03	40	60	100	4
2	PCC	18 EE62	Power System Analysis – 1	EEE	3	2	–	03	40	60	100	4
3	PCC	18 EE63	Digital Signal Processing	EEE	3	2	–	03	40	60	100	4
4	PEC	18 EE64X	Professional Elective -1	EEE	3	–	–	03	40	60	100	3
5	OEC	18 EE65X	Open Elective -A	EEE	3	–	–	03	40	60	100	3
6	PCC	18 EEL66	Control System Laboratory	EEE	–	2	2	03	40	60	100	2
7	PCC	18 EEL67	Digital Signal Processing Laboratory	EEE	–	2	2	03	40	60	100	2
8	MP	18 EEMP68	Mini-project		–	–	2	03	40	60	100	2
9	Internship	–	Internship	To be carried out during the vacation/s of VI and VII semesters and /or VII and VIII semesters.								
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>
Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.												

ME

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P					
1	PCC	18ME61	Finite Element Methods		3	2	–	03	40	60	100	4
2	PCC	18ME62	Design of Machine Elements II		3	2	–	03	40	60	100	4
3	PCC	18ME63	Heat Transfer		3	2	–	03	40	60	100	4
4	PEC	18ME64X	Professional Elective -1		3	–	–	03	40	60	100	3
5	OEC	18ME65X	Open Elective -A		3	–	–	03	40	60	100	3
6	PCC	18MEL66	Computer Aided Modelling and Analysis Lab		–	2	2	03	40	60	100	2
7	PCC	18MEL67	Heat Transfer Lab		–	2	2	03	40	60	100	2
8	MP	18MEM68	Mini-project		–	–	2	03	40	60	100	2
9	Internship	–	Internship	To be carried out during the vacation/s of VI and VII semesters and /or VII and VIII semesters.								
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>
Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.												



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BT

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
Programme: BIOTECHNOLOGY												
VI SEMESTER												
Sl. No	Course and Course Code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lectures	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18BT61	Process Control & Automation	Chemical	4	1	--	03	40	60	100	4
2	PCC	18BT62	Bioprocess Equipment Design & CAED	Chemical	4	2	--	04	40	60	100	4
3	PCC	18BT63	Bioinformatics	Biotech	4	--	--	03	40	60	100	4
4	PEC	18BT64X	Professional Elective -I	Biotech	3	--	--	03	40	60	100	3
5	OEC	18BT65X	Open Elective -A	Biotech	3	--	--	03	40	60	100	3
6	PCC	18BT66	Process Control & Automation Laboratory	Chemical	--	2	2	03	40	60	100	2
7	PCC	18BT67	Bioinformatics Laboratory	Biotech	--	2	2	03	40	60	100	2
8	MP	18BT6P68	Mini-project		--	1	2	03	40	60	100	2
9	Internship	--	Internship		To be carried out during the vacation/s of VI and VII semesters and /or VII and VIII semesters.							
<b>TOTAL</b>					<b>18</b>	<b>08</b>	<b>06</b>	<b>25</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

**Note:** PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.

**Mini-project work:**  
Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or a multidisciplinary Mini-project can be assigned to an individual student or to a group having not more than 4 students.

**CIE procedure for Mini-project:**  
(i) **Single discipline:** The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.  
The CIE marks awarded for the Mini-project work, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(ii) **Interdisciplinary:** Continuous Internal Evaluation shall be group wise at the college level with the participation of all guides of the college.  
The CIE marks awarded for the Mini-project, shall be based on the evaluation of project report, project presentation skill and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

MT

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
B.E. In MECHATRONICS												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lectures	Tutorial	Practical	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18 MT61	PLC & SCADA		3	2	--	03	40	60	100	4
2	PCC	18 MT62	Power Electronics		3	2	--	03	40	60	100	4
3	PCC	18 MT63	Computer Aided Machine Drawing		1	0	4	03	40	60	100	4
4	PEC	18 MT64X	Professional Elective -I		3	--	--	03	40	60	100	3
5	OEC	18XX65X	Open Elective -A		3	--	--	03	40	60	100	3
6	PCC	18 MTL66	PLC and SCADA- Laboratory		--	2	2	03	40	60	100	2
7	PCC	18 MTL67	Power electronics - Laboratory		--	2	2	03	40	60	100	2
8	MP	18MTM,P68	Mini-project		--	--	2	03	40	60	100	2
9	Internship	--	Internship		To be carried out during the vacation/s of VI and VII semesters and /or VII and VIII semesters.							
<b>TOTAL</b>					<b>13</b>	<b>08</b>	<b>10</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

**Note:** PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project.





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**2022-23**

**Lab with Mini-Project**

**CSE**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Choice Based Credit System (CBCS) AND Outcome Based Education (OBE)												
(Effective from the academic year 2018 – 19)												
V SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CBE Marks	SEE Marks		Total Marks
					L	T	P					
1	HSMC	18CS51	Management, Entrepreneurship for IT industry	HSMC	2	2	--	03	40	60	100	3
2	PCC	18CS52	Computer Networks and Security	CS / IS	3	2	--	03	40	60	100	4
3	PCC	18CS53	Database Management System	CS / IS	3	2	--	03	40	60	100	4
4	PCC	18CS54	Automata theory and Computability	CS / IS	3	--	--	03	40	60	100	3
5	PCC	18CS55	Application Development using Python	CS / IS	3	--	--	03	40	60	100	3
6	PCC	18CS56	Unix Programming	CS / IS	3	--	--	03	40	60	100	3
7	PCC	18CSL57	Computer Network Laboratory	CS / IS	--	2	2	03	40	60	100	2
8	PCC	18CSL58	DBMS Laboratory with mini project	CS / IS	--	2	2	03	40	60	100	2
9	HSMC	18CIV59	Environmental Studies	Civil/ Environmental [Paper setting: Civil Engineering Board]	1	--	--	02	40	60	100	1
<b>TOTAL</b>					<b>18</b>	<b>10</b>	<b>04</b>	<b>26</b>	<b>360</b>	<b>540</b>	<b>900</b>	<b>25</b>
<b>Note: PCC; Professional Core, HSMC: Humanity and Social Science.</b>												
<b>AICTE activity Points:</b> In case students fail to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.												





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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Choice Based Credit System (CBCS) AND Outcome Based Education (OBE)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours/Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18CS61	System Software and Compilers	CS / IS	3	2	–	03	40	60	100	4
2	PCC	18CS62	Computer Graphics and Visualization	CS / IS	3	2	–	03	40	60	100	4
3	PCC	18CS63	Web Technology and its applications	CS / IS	3	2	–	03	40	60	100	4
4	PEC	18CS64X	Professional Elective -1	CS / IS	3	–	–	03	40	60	100	3
5	OEC	18CS65X	Open Elective –A	CS / IS	3	–	–	03	40	60	100	3
6	PCC	18CSL66	System Software Laboratory	CS / IS	–	2	2	03	40	60	100	2
7	PCC	18CSL67	Computer Graphics Laboratory with mini project	CS / IS	–	2	2	03	40	60	100	2
8	MP	18CSMP68	Mobile Application Development	CS / IS	–	–	2	03	40	60	100	2
9	INT	--	Internship	(To be carried out during the intervening vacations of VI and VII semesters)				--	--	--	--	--
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>
<b>Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project, INT: Internship.</b>												



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ISE

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
V SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	HSMC	18CS51	Management, Entrepreneurship for IT Industry	HSMC	2	2	--	03	40	60	100	3
2	PCC	18CS52	Computer Networks and Security	CS / IS	3	2	--	03	40	60	100	4
3	PCC	18CS53	Database Management System	CS / IS	3	2	--	03	40	60	100	4
4	PCC	18CS54	Automata theory and Computability	CS / IS	3	--	--	03	40	60	100	3
5	PCC	18CS55	Application Development using Python	CS / IS	3	--	--	03	40	60	100	3
6	PCC	18CS56	Unix Programming	CS / IS	3	--	--	03	40	60	100	3
7	PCC	18CSL57	Computer Network Laboratory	CS / IS	--	2	2	03	40	60	100	2
8	PCC	18CSL58	DBMS Laboratory with mini project	CS / IS	--	2	2	03	40	60	100	2
9	HSMC	18CIV59	Environmental Studies	Civil/ Environmental [Paper setting: Civil Engineering Board]	1	--	--	02	40	60	100	1
<b>TOTAL</b>					<b>18</b>	<b>10</b>	<b>04</b>	<b>26</b>	<b>360</b>	<b>540</b>	<b>900</b>	<b>25</b>

Note: PCC: Professional Core, HSMC: Humanity and Social Science.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI												
Scheme of Teaching and Examination 2018 – 19												
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)												
(Effective from the academic year 2018 – 19)												
VI SEMESTER												
Sl. No	Course and Course code		Course Title	Teaching Department	Teaching Hours /Week			Examination			Credits	
					Theory Lecture	Tutorial	Practical/ Drawing	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P					
1	PCC	18IS61	File Structures	CS / IS	3	2	--	03	40	60	100	4
2	PCC	18IS62	Software Testing	CS / IS	3	2	--	03	40	60	100	4
3	PCC	18CS63	Web Technology and its applications	CS / IS	3	2	--	03	40	60	100	4
4	PEC	18CS64X	Professional Elective -I	CS / IS	3	--	--	03	40	60	100	3
5	OE	18CS65X	Open Elective –A	CS / IS	3	--	--	03	40	60	100	3
6	PCC	18ISL66	Software Testing Laboratory	CS / IS	--	2	2	03	40	60	100	2
7	PCC	18ISL67	File Structures Laboratory with mini project	CS / IS	--	2	2	03	40	60	100	2
8	MP	18ISMP68	Mobile Application Development	CS / IS	--	--	2	03	40	60	100	2
9	INT	--	Internship	(To be carried out during the intervening vacations of VI and VII semesters)	--	--	--	--	--	--	--	--
<b>TOTAL</b>					<b>15</b>	<b>10</b>	<b>06</b>	<b>24</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>24</b>

Note: PCC: Professional core, PEC: Professional Elective, OE: Open Elective, MP: Mini-project, INT: Internship.



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**MCA**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY Scheme of Teaching and Examination <b>Master of Computer Applications</b> Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) Scheme											
SEMESTER-III											
Sl. No	Course Type	Course Code	Title	Teaching Hours/Week			Examination				Credits
				L	P	T/SDA	Duration in hours	SEE Marks	CE Marks	Total Marks	
1	PCC	20MCA31	Data Analytics using Python	04	-	-	03	60	40	100	04
2	PCC	20MCA32	IoT	04	-	-	03	60	40	100	04
3	PCC	20MCA33	Advances in Java	04	-	-	03	60	40	100	04
4	PEC	20MCA34X	Elective-II	03	-	-	03	60	40	100	03
5	PEC	20MCA35X	Elective-III	03	-	-	03	60	40	100	03
6	PCC	20MCA36	Data Analytics Lab with Mini-project	-	04		03	60	40	100	02
7	PCC	20MCA37	IoT Lab with Mini Project	-	04		03	60	40	100	02
8	PCC	20MCA38	Advances in Java Lab	-	04		03	60	40	100	02
<b>Total</b>				<b>18</b>	<b>12</b>	<b>-</b>	<b>24</b>	<b>480</b>	<b>320</b>	<b>800</b>	<b>24</b>
<b>Elective-III</b>						<b>Elective-IV</b>					
20MCA341	Block chain Technology			20MCA351	Deep Learning						
20MCA342	Cloud Computing			20MCA352	Big data Analytics						
20MCA343	Digital Marketing			20MCA353	Wireless Ad Hoc Networks						
20MCA344	Software Testing			20MCA354	Software Project Management						
20MCA345	NoSQL			20MCA355	Software Defined Networks						



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**2022-23**

**UG – Social Connect Responsibility**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI B.E. in Electrical and Electronic Engineering Scheme of Teaching and Examinations 2021 Outcome Based Education (OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2021 - 22)												
III SEMESTER												
Sl No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week				Examination				Credits
				Theory Lecture	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P	S					
1	BSC 21MAT31	Transform Calculus, Fournier Series and Numerical Technics	Maths	2	2	0		03	50	50	100	3
2	IPCC 21EE32	Analog Electronic Circuits and Op - Amps	TD: PSB	3	0	2		03	50	50	100	4
3	IPCC 21EE33	Electric Circuit Analysis	TD: PSB	3	0	2		03	50	50	100	4
4	PCC 21EE34	Transformers and Generators	TD: PSB	2	2	0		03	50	50	100	3
5	PCC 21EEL35	Electrical Machines Laboratory - I	TD: PSB	0	0	2		03	50	50	100	1
6	UHV 21UH36/49	Social Connect and Responsibility	Any Department	0	2	0		01	50	50	100	1
7	HSMC 21KSK37/47	Sanskrutika Kannada	TD and PSB: HSMC	0	2	0		01	50	50	100	1
	HSMC 21KKBK37/47	Balake Kannada										
	<b>OR</b>											
	HSMC 21CIP37/47	Constitution of India and Professional Ethics										
8	AEC 21EE38X	Ability Enhancement Course - III	TD: Concerned department PSB: Concerned Board	If offered as theory course				01	50	50	100	1
				0	2	0						
				If offered as lab. course								
				0	0	2						
<b>Total</b>									<b>400</b>	<b>400</b>	<b>800</b>	<b>18</b>





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## Inter/Intra Internship

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI													
B.E. in Electrical and Electronic Engineering													
Scheme of Teaching and Examinations 2021													
Outcome-Based Education(OBE) and Choice Based Credit System (CBCS)													
(Effective from the academic year 2021 - 22)													
IV SEMESTER													
Sl. No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board	Teaching Hours/Week					Examination				Credits
				Theory Lecture	Tutorial	Practical/ Drawing	Self -Study	Duration in hours	CIE Marks	SEE Marks	Total Marks		
				L	T	P	S						
1	BSC 21MAT41	Complex Analysis, Probability and Statistical Methods	Maths	2	2	0		03	50	50	100	3	
2	IPCC 21EE42	Digital System Design	EE	3	0	2		03	50	50	100	4	
3	IPCC 21EE43	Microcontroller	EE	3	0	2		03	50	50	100	4	
4	PCC 21EE44	Electric Motors	EE	2	2	0		03	50	50	100	3	
5	AEC 21BE45	Biology for Engineers	BT, CHE, PHY	2	0	0		02	50	50	100	2	
6	PCC 21EEL46	Electrical Machines Laboratory - II	EE	0	0	2		03	50	50	100	1	
7	HSMC 21KSK37/47	Samskrutika Kannada	HSMC	0	2	0		01	50	50	100	1	
	HSMC 21KBK37/47	Balake Kannada											
	OR												
	HSMC 21CIP37/47	Constitution of India & Professional Ethics											
8	AEC 21EE48X	Ability Enhancement Course- IV	TD and PSB: Concerned department	If offered as theory Course				01	50	50	100	1	
				0	2	0							
				If offered as lab. course				02					
				0	0	2							
9	UHV 21UH36/49	Universal Human Values	Any Department	0	2	0		01	50	50	100	1	
10	INT 21INT49	Inter/Intra Institutional Internship	Evaluation By the appropriate authorities	Completed during the intervening period of II and III semesters by students admitted to first year of BE./B.Tech and during the intervening period of III and IV semesters by Lateral entry students admitted to III semester.				--	100	--	100	2	
<b>Total</b>									<b>550</b>	<b>450</b>	<b>1000</b>	<b>22</b>	



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**PROJECT WORK/FIELD WORK/INTERNSHIP REPORT FOR THE YEAR**

**2022-23**

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The Oxford College of Engineering,  
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## **Summary on Document showing project work, Internship /Field visit prescribed by affiliating university curriculum**

To integrate project work, Internship /Field visit, The Oxford College of Engineering, Bangalore has incorporated various types of courses into the curriculum, some of which aim to enhance professional competencies while others aim to instil general competencies such as social ethical values, human values, environmental sensitivity, and so on, resulting in the holistic development of students.

### **Project Work**

Project-based learning has proven to be one of the most effective ways to engage students and provide a practical application for what they're learning. Project-based learning not only provides opportunities for students to collaborate or drive their own learning, but it also teaches them skills such as problem solving, and helps to develop additional skills integral to their future, such as critical thinking and time management. And maybe more importantly, it provides students with an opportunity to create authentic projects which are meaningful to society. Students have the chance to pursue their own interests and as a result, opportunities for learning for students and teachers are tremendous. Benefits of project-based learning: Collaboration, Problem Solving, Creativity, In-Depth Understanding, Self-Confidence, Critical Thinking, Perseverance, Project Management, Curiosity, Empowerment.

### **Internship**

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development, and to learn new skills.

### **Field visit**

A field trip or excursion is a journey by the college students to a place away from the normal college environment. Field trips can be educationally and socially engaging additions to students. The objective of all field trips in the college is to expose students to various parts of their community, facilitate connections between students and others, and help students understand themselves as members of their local community. The lessons that follow are general ideas; research specific destinations and activities in or near your community. Social field trips are also beneficial to building camaraderie amongst participants and for having fun!

### **Mini Project**

A mini-project is a short, practical problem which requires for its solution the application of the knowledge and skills developed in previously completed set experiments.

### **Social Connect Responsibility**

Social Connect Responsibility focuses on interacting with others and the natural world in respectful and caring ways.





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## **THE OXFORD COLLEGE OF ENGINEERING**

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TOCE/EST/27/2022-23

### **PROCEEDINGS OF THE MEETING** **Curriculum Delivery Committee**

Date: 09-09-2022

Time: 11:00AM

Members Present:

01	Dr N Kannan, Principal, Chairperson.		
02	Dr. R Ch A Naidu, Member Secretary (IQAC)		
03	Dr. Vijaya Kumari - Dean Academics	04	Dr. Preeta Charan - Dean Research
05	Dr. Mallikarjun - Dean Exams	06	Dr. Manjunath B K - HOD - BT
07	Dr. Malleshaiah T S - HOD - CIVIL	08	Dr. M S Shashidhar - HOD - MCA
09	Dr. Manju Devi, HOD - ECE	10	Dr. P Gangavathi - HOD - S&H
11	Mr. Dharshan R, Student Member, M.Tech-Structural Engineering	12	Mr. Prashanth Ranjan, Student Member B.E (Mechanical Engineering)
13	Megan Gowda, Student Member MCA	14	Ms. Navya, Student Member B.E (Computer Science and Engineering)
15	Mr. Megharaj G Student Member - MBA	16	Danny Johnson P Student Member B.E (Electrical and Electronics Engineering)
17	Mr. Anadha Chowdary, Parent	18	Nagaraj NL Parent
19	Mr. Nanda Gopal - Industry Expert - MT	20	Dr. Srinivas Talabattula - Academic Expert-ECE
21	Mr. Gaurav Mishra - Alumni		

AGENDA: -

1. Review of previous minutes meeting
2. Academic Calendar
3. Master Time Table
4. Course File / Pedagogical Methods
5. Value Added Courses; Content beyond syllabus
6. Student Centric Methods
7. Implementation of OBE Matrix
8. Action Plan for Slow Learners and Advanced Learners
9. Feedback analysis and Action taken plan



The following agenda was discussed: -

1. Principal welcomed all the members present and the resolution planned in the last meeting has been approved for compliance.
2. The last semester held for 2021-22 EVEN was briefed by Principal.

The 2<sup>nd</sup> semester of B.E. was commenced on 19-05-2021 and all 2<sup>nd</sup> semester PG courses - MCA, MBA & MTech was commenced on 10-05-2021 as per the VTU guidelines.

He also reviewed the results of CIE and Semester End Examination for each branch. It was also noted that the expected target in results was not satisfied and could have achieved good results for which the committee members were advised all HODs and subject faculty to improve the same during the coming academic year 2022-23 ODD.

It was also noted that student's performance and subject deliverance by the faculty must be improved.

**3. Academic Calendar:**

The principal briefed the following dates for the commencement of ODD semester as per VTU guidelines.

Sem	TOCE
VII BE	12-09-2022
V BE	17-10-2022
III BE	31-10-2022
I BE	30-11-2022
III MBA, MCA, MTech	28-11-2022
I MBA, MCA, MTech	13-02-2023

4. **Master Time Table:** The committee advised HODs to prepare a subject proficiency matrix as per the 2018 scheme and 2021 scheme for higher semesters and 2022 scheme for the 1<sup>st</sup> year UG Programme, and prepare the department time table for the ODD Semester 2022-23.

The committee advised MCA HOD to prepare a subject proficiency matrix and allocate the subject for the ODD Semester 2022-23 with the 2022 scheme for the Master of Computer Applications and 3rd semester with the 2018 schemes.

The committee advised MBA HOD to prepare a subject proficiency matrix and allocate the subject for the ODD Semester 2022-23 with the 2022 scheme for the Master of Business Administration (MBA) PG Programme and 3rd semester with the 2020 scheme.

The committee advised all HODs of M.Tech Course to prepare a subject proficiency matrix and allocate the subject for the ODD Semester 2022-23 with the 2022 scheme for the first year, and second year for 2021 scheme of the Master of Technology (M.Tech) PG Programme.

Based on the same, the Time Table needs to be prepared and HODs were asked to submit the final draft of the Department wise class Time Table and Master Time Table of the department to the principal's office. Mentors were identified for 10-15 students each and it was assigned to all the department faculty. And the Mentoring hour are included in all the department Time-table.

5. **Course File / Pedagogical Methods:** HODs were instructed to direct the subject faculty to prepare the course file for the current semester subject as per the VTU guidelines before the commencement of the semester. The course file should contain a copy of university syllabus, students list, attendance register, teacher diary, CO - PO mapping, Content beyond syllabus, along with lesson plans with pedagogical initiatives, notes and reference books, previous IA/CIE question papers and university question papers along with scheme of evaluation and question bank, assignments etc., Many pedagogical methods are adapted by the faculty like chalk and talk, smart board usages, PPTs, Videos, short term courses, seminars, Presentations, etc. are included in the course file.

The committee members instructed HODs that they should do a thorough check on the portion coverage related to each subject before the commencement of each Continuous Internal Evaluation (CIE). After conducting CIE and Evaluation there should be parents' teachers meeting schedule as per TOCE academic calendar of event.

The committee members advised HODs to instruct each faculty to adhere the VTU guidelines for conducting Continuous Internal Evaluation (CIE) and also advised HODs to have through check on the CIE question paper pattern. Scrutiny committee member go through the 2 set of question paper and select one set from the same. After the question paper securitized it is submitted to the Exam Dean.

Also, the committee members discussed that as per the 2018 scheme, 2021 scheme and 2022 scheme the rubrics for allotment of marks.

1. 2018 scheme 60 marks for Semester End Exam (SEE) and 40 marks for Continuous Internal Evaluation (CIE). In 40 marks of Internal Assessment, 30 marks are awarded as the average of 3 Internal assessments and 10 marks for the Assignments which are considered awarding for the final IA marks.
2. 2021 scheme 50 marks for Semester End Exam (SEE) and 30 marks for Continuous Internal Evaluation (CIE). In 30 marks of Internal Assessment, 30 marks are awarded as the average of 3 Internal assessments and 20 marks for the Assignments, quiz, GD, etc. which are considered awarding for the final IA marks.
3. 2022 scheme 50 marks for Semester End Exam (SEE) and 25 marks for Continuous Internal Evaluation (CIE). In 25 marks of Internal Assessment, 25 marks are awarded as the average of 2 Internal assessments and 25 marks for the Assignments, quiz, GD, etc. which are considered awarding for the final IA marks.

Also, an opportunity can be given to the students who need IA average in form of Improvement test.



For the 2021 scheme, BE- First year, the rubrics for allotment of marks is 50% marks for Semester End Exam (SEE) and 50% marks for Continuous Internal Evaluation, Assignments / Presentation / Seminars (CIE).

And for the 2022 scheme, BE- First year, the rubrics for allotment of marks is 50% marks for Semester End Exam (SEE) and 50% marks for Continuous Internal Evaluation, Assignments / Presentation / Seminars (CIE).

As per the MCA for 2018 scheme, the rubrics for the allotment of marks are 80 marks for Semester End Exams and 20 marks for Internal tests. With 20 marks for the Internal test, 60% for the average of three internal test marks and 40% for the Assignment marks should be considered for awarding of the final Internal Test marks of the Master of Computer Applications. And for 2020 scheme, the rubrics for the allotment of marks are 60% marks for Semester End Exams and 40% marks for Internal tests.

As per the 2020 scheme of MBA, the rubrics for the allotment of marks are 60% marks for End Semester Exams and 40% marks for Internal Tests. With 25 marks on the Internal test, average of best of 2 out of 3 IA, 15 marks for Assignments / Presentation / Seminars depending on the subjects.

As per the 2020 scheme of MTech, the rubrics for the allotment of marks are 60% marks for End Semester Exams and 40% marks for Internal Tests. With 20 marks on the Internal test, average of 3 IA, and 20 marks for Assignments / Presentation / Seminars depending on the subjects

Faculty were advised to evaluate the blue books within the stipulated duration and after each internal assessment, the slow learners need to be identified for the conduct of bridge courses.

HODs were advised to instruct the subject faculty that they should incorporate pedagogical methods like group discussion, Industrial visits, MCQs, role play, Quiz, peer to peer learning, brain storming, model based, Industrial visit, and PPTs for the better insight of the concepts for better understanding.

6. **B.E Honors:** As per VTU circular and guidance it was discussed during Hods meeting to give importance and awareness of B.E honors and motivate the students the same. Principal directed to conduct the meeting for the same in their respective department.
7. **Cross Cutting Issues:** Principal also suggested the importance of Cross Cutting Issues in syllabus by giving the awareness of Ethics, Gender, Environment, etc. This needs to be shared with faculty and students.
8. **Value Added Courses, Content beyond syllabus:** The curriculum delivery committee discussed the curriculum and decided during the academic year 2022-23 to enrich the student's knowledge in various thrust areas.

Sl.No.	Name of Add on/ Certificate programs offered	Department	Duration of the Course
1.	Skill development for higher studies	CSE	30 hrs

"1" – Slight (Low) correlation, "2" – Moderate (Medium) Correlation, "3" – Substantial (High) correlation and "-" indicates there is no correlation. Similarly, COs with PSOs should be mapped to achieve the attainments.

11. **Students Centric Methods:** The curriculum delivery committee members took the decision to incorporate the student's centric methods to improve the student's learning ability. HODs were advised to instruct the faculty should adhere the following methods in the teaching process. Guest Lecture / Expert Talk / Technical Talk/Seminar/Webinar, Hands-on session, Interactive Session, Soft skill training/ Technical Training, Industrial visit/ **field visit, Internship, Project, Mini Project &** innovative practices. As per the VTU circular students needs to be motivated to take up B.E Honors course with 8.5 CGPA
12. **Action Plan for Slow learners and Advanced Learners:** The curriculum delivery committee members instructed HODs to direct the subject faculty that they should conduct remedial classes and mentoring for the slow learners. And, also instruct the advanced learners to participate for the Conferences, Add-on courses, MOOC courses to enrich their subject knowledge in turn to get the university rank.
13. **DAC:** Principal instructed all department Dept Advisory Committee, to conduct the meeting with stakeholders, and identifies the curriculum gap, reviews the stakeholder's remarks, and identifies the thrust areas to bridge the gap.
14. **Resolutions**
  1. Principal instructed to follow the 2022, 2021, 2020 and 2018 scheme CIE rubrics.
  2. The approved syllabus is followed.
  3. Principal advised all faculty should have their course file ready and checked by respective HODs before the commencement of the classes.
  4. Action plan should be submitted one week after this meeting.
  5. It is decided that all should encourage the students towards more pedagogy initiatives to get better insights in the academics.
  6. Principal advised to conduct more add on course/industrial visit/workshops to fill the gap and motivate the students regarding this.

  
**PRINCIPAL**  
**PRINCIPAL**  
The Oxford College of Engineering  
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Copy to:  
The Chairman, The Oxford Educational Institutions  
All HODs.  
IQAC





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Date: 05-09-2022

### DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

#### Circular

#### SUB: Department Meeting of Curriculum Delivery Committee

The Department Meeting of Curriculum Delivery and Planning has been scheduled for 07-09-2022 at the HOD Cabin, 10.00AM. All faculty members are hereby informed to attend the above meeting without fail.

#### AGENDA: -

1. Department Academic Calendar
2. Department Time Table
3. Course File / Pedagogical Methods
4. Value Added Courses Content beyond syllabus
5. Action Plan for Slow Learners and Advanced Learners
6. Feedback analysis and Action taken plan

*Jhankar*  
HOD/EEE

Professor & ...  
The Oxford Co...  
Bommanaha...  
Bangalore-560...



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### DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

#### Proceedings of the Curriculum Delivery & Planning Committee Meeting

Date: 07-09-2022

Time: 11:00AM

Members Present:

1	Dr.Bharath V S
2	Dr.DeviVighneshwari B
3	Prof Jayakumar N
4	Prof Nisha C Rani
5	Prof. Raichel Ruby
6	Prof. Sumitha T L
7	Prof. Resna S R

AGENDA: -

1. Review of previous minutes meeting
2. Department Academic Calendar
3. Department Time Table
4. Course File / Pedagogical Methods
5. Value Added Courses; Content beyond syllabus
6. Student Centric Methods
7. Implementation of OBE Matrix
8. Action Plan for Slow Learners and Advanced Learners
9. Feedback analysis and Action taken plan

The following agenda was discussed: -

1. Dr. Bharath V S, HOD welcomed all the members present.

"1" – Slight (Low) correlation, "2" – Moderate (Medium) Correlation, "3" – Substantial (High) correlation and "-" indicates there is no correlation. Similarly, COs with PSOs should be mapped to achieve the attainments.

#### 10. Students Centric Methods

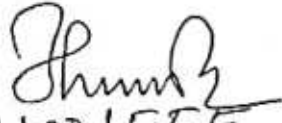
As per the content delivery committee members direction the student's centric methods were incorporated to improve the student's learning ability. HODs advised the faculty to adhere the following methods in the teaching process. Guest Lecture / Expert Talk / Technical Talk/Seminar/Webinar, Hands-on session, Interactive Session, Soft skill training/ Technical Training, Industrial visit/ field visit, Internship, Project, Mini Project & innovative practices.

#### 11. Action Plan for Slow learners and Advanced Learners

As per the content delivery committee members instructions HOD directed the subject faculty that they should conduct remedial classes and mentoring for the slow learners. And, also instruct the advanced learners to participate for the Conferences, Add-on courses, MOOC courses to enrich their subject knowledge in turn to get the university rank.

#### 12. Resolutions

1. HOD instructed to follow the 2018, 2022, 2020 scheme CIE rubrics.
2. The approved syllabus is followed.
3. HOD instructed all faculty should have their course file ready and checked by HOD before the commencement of the classes.
4. Action plan should be submitted one week after this meeting.
5. It is decided that all should encourage the students towards more pedagogy initiatives to get better insights in the academics.
6. HOD advised to conduct more add on course/industrial visit/workshops to fill the gap and motivate the students regarding this.

  
HOD/EEE  
Professor & Head EEE  
The Oxford College of Engg  
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TOCE/EST/27/2022-23

### PROCEEDINGS OF THE MEETING Curriculum Delivery Committee

Date: 09-02-2023

Time: 11:00am

Members Present:

01	Dr N Kannan, Principal, Chairperson.		
02	Dr. R Ch A Naidu, Member Secretary (IQAC)		
03	Dr. Vijaya Kumari – Dean Academics	04	Dr. Preeta Charan - Dean Research
05	Dr. Mallikarjun - Dean Exams	06	Dr. Manjunath B K - HOD - BT
07	Dr. Malleshaiah T S - HOD - CIVIL	08	Dr. M S Shashidhar - HOD - MCA
09	Dr. Manju Devi, HOD - ECE	10	Dr. P Gangavathi - HOD -S&H
11	Mr. Dharshan R, Student Member, M.Tech-Structural Engineering	12	Mr. Prashanth Ranjan, Student Member B.E (Mechanical Engineering)
13	Megan Gowda, Student Member MCA	14	Ms. Navya, Student Member B.E (Computer Science and Engineering)
15	Mr. Megharaj G Student Member - MBA	16	Danny Johnson P Student Member B.E (Electrical and Electronics Engineering)
17	Mr. Anadha Chowdary Parent	18	Nagaraj NL Parent
19	Mr. Nanda Gopal - Industry Expert - MT	20	Dr. Srinivas Talabattula - Academic Expert-ECE
21	Mr. Gaurav Mishra - Alumni		

AGENDA: -

1. Review of previous minutes meeting
2. Academic Calendar
3. Master Time Table
4. Course File / Pedagogical Methods
5. Value Added Courses; Content beyond syllabus
6. Student Centric Methods
7. Implementation of OBE Matrix
8. Action Plan for Slow Learners and Advanced Learners
9. Feedback analysis and Action taken plan

The following agenda was discussed: -

1. Principal welcomed all the members present and the resolution planned in the last meeting has been approved for compliance.
2. The resolution planned in the last meeting has been approved for immediate compliance.
3. The last semester held for 2022-23 ODD was briefed by principal.

As per the VTU guidance the 1<sup>st</sup> semester of B.E. was commenced on 30-11-2022, and for 1<sup>st</sup> semester of PG - MBA, MCA, M.Tech was commenced on 13-02-2023.

He also reviewed the results of CIE and Semester End Examination for each branch. It was also noted that the expected target in results was not satisfied and could have achieved good results for which the committee members were advised all HODs and subject faculty to improve the same during the coming academic year 2022-23 Even.

It was also noted that student's performance and subject deliverance by the faculty must be improved. HODs were advised to conduct remedial for the weaker students and the concern faculty were informed to take up appropriate measures by adopting innovative pedagogical methods to improve their quality of deliverance in teaching.

The Principal directed all HODs to include in the curriculum for the EVEN semester - the **Internship/Field Visit/Project.**

**4. Academic Calendar:**

The principal briefed the following dates for the commencement of Even semester as per the VTU guidelines

Semester	VTU	TOCE
IVB. E	05-06-2023	05-06-2023
VI B. E	20-03-2023	20-03-2023
VIII B. E	13-02-2023	13-02-2023
II B. E	25-05-2023	25-05-2023
II MBA	26-06-2023	26-06-2023
IV MBA	17-04-2023	17-04-2023
II MCA	26-06-2023	26-06-2023
I VMCA	17-04-2023	17-04-2023
II M Tech	26-06-2023	26-06-2023
IV M Tech	17-04-2023	17-04-2023

The Principal instructed the HODs to prepare the department calendar for the semester activities and HODs were advised to submit incorporating all the important academic activities and events by finalizing the date.

5. **Master Time Table:** The committee advised HODs to prepare a subject proficiency matrix as per the 2018 scheme and 2021 scheme for higher semesters and 2022 schemes for the 1<sup>st</sup> year UG Programme, and prepare the department time table for the EVEN Semester 2022-23.



The committee advised MCA HOD to prepare a subject proficiency matrix and allocate the subject for the EVEN Semester 2022-23 with the 2020 scheme for the Master of Computer Applications and fourth semester with the 2018 scheme.

The committee advised MBA HOD to prepare a subject proficiency matrix and allocate the subject for the EVEN Semester 2022-23 with the 2022 scheme for the Master of Business Administration (MBA) PG Programme and 4th semester with the 2020 scheme.

The committee advised all HODs of M.Tech Course to prepare a subject proficiency matrix and allocate the subject for the ODD Semester 2022-23 with the 2022 scheme for the first year, and second year for 2021 scheme of the Master of Technology (M.Tech) PG Programme.

Based on the same, the Time Table needs to be prepared and HODs were asked to submit the final draft of the Department Time Table and Master Time Table of the department to the principal's office. Mentors were identified for 10-15 students each and it was assigned to all the department faculty and the Mentoring hour are included in all the department Time-table.

- 6. Course File / Pedagogical Methods:** HODs were instructed to direct the subject faculty to prepare the course file for the current semester subject as per the VTU guidelines before the commencement of the semester. The course file should contain a copy of university syllabus, students list, attendance register, teacher diary along with lesson plans with pedagogical initiatives, notes and reference books, previous CIE question papers and university question papers along with scheme of evaluation and question bank, assignments etc., Many pedagogical methods are adapted by the faculty like chalk and talk, smart board usages, PPTs, Videos, short term courses, seminars, Presentations, etc. are included in the course file.

The committee members instructed HODs that they should do a thorough check on the portion coverage related to each subject before the commencement of each Continuous Internal Assessments.

The committee members advised HODs to instruct each faculty to adhere the VTU guidelines for conducting CIE Tests and also advised HODs to have through check on the CIE question paper pattern.

Also, the committee members discussed that as per the 2018 scheme, the rubrics for allotment of marks are 60 marks for Semester End Exam (SEE) and 40 marks for Continuous Internal Evaluation (CIE). In 40 marks of Internal Assessment, 30 marks are awarded as the average of 3 Internal assessments and 10 marks for the Assignments which are considered awarding for the final IA marks.

Also, an opportunity can be given to the students who need IA average in form of Improvement test.

And for the 2021 scheme, BE - First year, the rubrics for allotment of marks is 50% marks for Semester End Exam (SEE) and 50% marks for Continuous Internal Evaluation (CIE).

As per the MCA for 2018 scheme, the rubrics for the allotment of marks are 80 marks for Semester End Exams and 20 marks for Internal tests. With 20 marks for the Internal test, 60% for the average of three internal test marks and 40% for the Assignment marks should be considered for awarding of the final Internal Test marks of the Master of Computer Applications. And for 2020 scheme,



8	Workshop on Know your intellectual Property Rights	BT	30 hrs.
9	Effective Business Communication for industrial perspectives	MBA	30 hrs.
10	AWS cloud practitioner certification	MCA	180 hrs.
11	Python Programming using Django	MT	30 hrs

The Committee members reviewed the above-mentioned courses and approved for the same.

#### 10. Feedback analysis and Action taken plan.

The feedback committee members are advised to take online feedback on 'Curriculum' as per the template framed for the academic year 2022-23 (Even) from the following stakeholders after the 2<sup>nd</sup> IA.

- a) Students
- b) Faculty
- c) Course End Survey
- d) Program Exit Survey
- e) Alumni
- f) Employers

HODs and Feedback committee members are advised to analyze the outcome based on the student's feedback on faculty and should submit the action plan and the same will be discussed in the next meeting. Like faculty who secured greater than 90% are to be appreciated and those who scored less than or equal to 75% need to take immediate necessary action. Such faculty need to undergo and enhance training/FDP/Workshop/Seminars etc. to upgrade their skills.

#### 11. Implementation of OBE Matrix

The members took the decision regarding the COs, POs and PSOs of the programs and for implementing appropriate pedagogic strategies. Also informed that the Course outcomes are designed as per the affiliating university prescribed syllabus and by employing Bloom's taxonomy verbs and levels. It was also informed that all the Courses have around five course outcomes and these are correlated to the Program Outcomes (POs). The members also discussed the process of mapping of COs prescribed by VTU and POs prescribed by the NBA related for the course.

HODs were advised to instruct the faculty that the mapping should be based on the scaling parameter which is as defined by NBA and are as follows: -

"1" – Slight (Low) correlation, "2" – Moderate (Medium) Correlation, "3" – Substantial (High) correlation and "-" indicates there is no correlation. Similarly, COs with PSOs should be mapped to achieve the attainments.

#### 12. Students Centric Methods

The curriculum delivery committee members took the decision to incorporate the student's centric methods to improve the student's learning ability. HODs were advised to instruct the faculty to adhere the following methods in the teaching process. Guest Lecture / Expert Talk / Technical Talk/Seminar/Webinar, Hands-on session, Interactive Session, Soft skill training/ Technical

Training, Industrial visit/ field visit, Internship, Project, Mini Project & innovative practices. As per the VTU circular students' needs to be motivated to take up B.E Honors course with 8.5 CGPA.

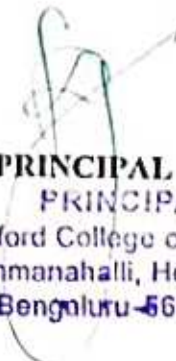
**13. Action Plan for Slow learners and Advanced Learners**

The curriculum delivery committee members instructed HODs to direct the subject faculty that they should conduct remedial classes and mentoring for the slow learners. And, also instruct the advanced learners to participate for the Conferences, Add-on courses, MOOC courses to enrich their subject knowledge in turn to get the university rank

**14. DAC:** Principal instructed all department Dept Advisory Committee, to conduct the meeting with stakeholders, and identifies the curriculum gap, reviews the stakeholder's remarks, and identifies the thrust areas to bridge the gap.

**15. Resolutions**

1. Principal instructed to follow the 2022, 2021, 2020 and 2018 scheme CIE rubrics.
2. The approved syllabus is followed.
3. Principal advised all faculty should have their course file ready and checked by respective HODs before the commencement of the classes.
4. Action plan should be submitted one week after this meeting.
5. It is decided that all should encourage the students towards more pedagogy initiatives to get better insights in the academics.
6. Principal advised to conduct the bridge course/add on course/industrial visit/workshops to fill the gap.
7. Principal instructed to work together for NAAC to aim A++ Grade.

  
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All HODs.  
IQAC



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## THE OXFORD COLLEGE OF ENGINEERING

(Recognized by The Govt. of Karnataka - Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by AICTE, New Delhi

Bommanahalli, Hosur Road, Bangalore - 560068.

IP: 080 61751501 Fax: 080 26518058 Email: [enquiries@theoxford.edu](mailto:enquiries@theoxford.edu) Web: [www.theoxford.edu](http://www.theoxford.edu)

Date: 30-01-2023

### DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

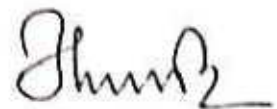
#### Circular

#### SUB: Department Meeting of Curriculum Delivery Committee

The Department Meeting of Curriculum Delivery and Planning has been scheduled for 31-01-2023 at the HOD Cabin, 10.00AM. All faculty members are hereby informed to attend the above meeting without fail.

#### AGENDA: -

1. Department Academic Calendar
2. Department Time Table
3. Course File / Pedagogical Methods
4. Value Added Courses Content beyond syllabus
5. Action Plan for Slow Learners and Advanced Learners
6. Feedback analysis and Action taken plan

  
HOD/EEE

Professor & Head EEE  
The Oxford College of Engg  
Bommanahalli, Hosur Road  
Bangalore-560 068





**CHILDREN'S EDUCATION SOCIETY (REGD.)**

Administrative Office:

1<sup>st</sup> Phase JP Nagar, Bengaluru - 560 078

☎ 080-61754501 - 502 Fax: 080-2654 8658

## **THE OXFORD COLLEGE OF ENGINEERING**

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by AICTE - New Delhi)

Bommanahalli, Hosur Road, Bangalore - 560068.

☎ 080-61754601/602, Fax 080 - 25730551 E-mail: [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu) Web: [www.theoxford.edu](http://www.theoxford.edu)

### **DEPARTMENT OF ELECTRICAL & ELECTRONICSENGINEERING**

#### **Department Proceedings of Curriculum Delivery committee Meeting**

Date: 31-01-2023

Time: 10:00AM

Members Present:

1	Dr.Bharath V S
2	Dr.DeviVighneshwari B
3	Prof Jayakumar N
4	Prof Nisha C Rani
5	Prof. Raichel Ruby
6	Prof. Sumitha T L
7	Prof. Resna S R

#### **AGENDA: -**

1. Department Academic Calendar
2. Master Time Table
3. Course File / Pedagogical Methods
4. Value Added Courses Content beyond syllabus
5. Action Plan for Slow Learners and Advanced Learners
6. Feedback analysis and Action taken plan

The following agenda was discussed: -

#### **1. Academic Calendar:**

The HODs instructed the department coordinator to prepare the draft of the department calendar for the semester activities and advised to submit immediately all the details incorporating all the important academic, department activities & events.

#### **2. Master Time Table:**

HOD advised the Time Table Coordinator to allocate the subject for the EVEN Semester 2022-23.

HOD asked the Department Time Table Coordinator to submit the final draft. Mentors were identified for 10-15 students each and it was assigned to all the department faculty. And the Mentoring hour are included in all the department Time-table.

**3. Course File / Pedagogical Methods:**

HODs allotted the subjects to the faculty and asked them to prepare course file for the current semester subject as per the VTU guidelines before the commencement of the semester.

The course file / material should contain a copy of university syllabus, students list, attendance register, teacher diary along with lesson plans with pedagogical initiatives, notes and reference books, previous IA question papers and university question papers along with scheme of evaluation and question bank, assignments etc. Many pedagogical methods are adapted by the faculty like chalk and talk, smart board usages, PPTs, Videos, short term courses, seminars, Presentations, etc. are included in the course file.

HOD instructed each faculty that they need to follow VTU guidelines for conducting the Internal Assessments Tests (the CIE question paper, Scheme of Evaluation, Result Analysis.

**4. Value Added Courses, Content beyond syllabus.**

The value-added course to be completed for the academic year 2022-23 should contain 30hrs and can plan after classes. It should be offline event and asked the concerned coordinators to identify suitable resource person for the same.

**5. Feedback analysis and Action taken plan.**


The feedback was taken on 'Curriculum' as per the template framed for the academic year 2022-23.

- a) Students
- b) Faculty
- c) Course End Survey / Employer
- d) Course End Survey / Parents
- e) Alumni

Based on the curriculum feedback the add on courses, guest lectures and other activities can be framed so that the gap can be filled.

**6. Action Plan for Slow learners and Advanced Learners**

As per the content delivery committee members instructions HOD directed the subject faculty that they should conduct remedial classes and mentoring for the slow learners. And, also instruct the advanced learners to participate for the Conferences, Add-on courses, MOOC courses to enrich their subject knowledge in turn to get the university rank

  
HOD/EEE

Professor & Head EEE  
The Oxford College of Engg  
Bommanahalli, Hosur Road  
Bangalore-560 068



**CHILDREN'S EDUCATION SOCIETY (Regd.)  
THE OXFORD COLLEGE OF ENGINEERING**


Recognized by the Govt. of Karnataka Affiliated to Visvesvaraya Technological University, Belagavi.  
Approved by AICTE, New Delhi.  
Recognized by UGC Under Section 2(f)(1)  
Bommanahalli, Hosur Road, Bangalore - 560 068.  
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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

**PROJECT WORK/FIELD WORK/INTERNSHIP REPORT FOR THE YEAR**

**2022-23**

**INDEX**

SN	CONTENT	PAGE NO
1	Summary on Document showing project work, Internship /Field visit prescribed by affiliating university curriculum	2
<b>2022-23</b>		
2	Memorandum of Understanding - Highlighting Project Work, Internship/Field Visit	3-115

  
**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068



## MEMORANDUM OF UNDERSTANDING (MOU)

The Oxford College Of Engineering

Department Of Computer Science and Engineering and Prinston Smart Engineers, Bangalore



The Memorandum of Understanding is made between Department of Computer Science and Engineering, THE OXFORD COLLEGE OF ENGINEERING and PRINSTON SMART ENGINEERS, to promote the cooperation in Workshops, Conferences and Seminars would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

- To conduct the conferences, seminars and workshops.
- Should accommodate the UG students in such a number that industry deems convenient to it for the purpose of imparting industrial training and **internships**.
- To give the placement opportunities to the students.

The parties anticipate that a number of these initiatives will occur during the period of this MOU i.e (Jan -2021 to Jan -2024). However, neither party is obligated to agree to any minimum number of activities, nor is this MOU intended to preclude either party from entering into similar agreements with other institutions.

The following initiatives provide good starting places and can be implemented as soon as administrative details are agreed upon between the two institutions:

This MOU shall be identified as the parent document of any program agreement executed between the parties. Further agreements concerning any program shall provide details concerning the specific commitments made by each party and shall not become effective until they have been reduced to writing, executed by the duly authorized representatives of the parties.

This Agreement shall become effective upon being signed by both parties.

Dr. R CH A NAIDU  
HOD(CSE)

THE OXFORD COLLEGE OF ENGINEERING

HEAD OF THE DEPARTMENT  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BANGALURU - 560 068

### SIGNATORIES

Dr. G. T. RAJU  
PRINCIPAL  
THE OXFORD COLLEGE OF ENGINEERING

PRINCIPAL

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangaluru:-560 068.

HEAD OF TRAINING  
CHIEF  
EXECUTIVE OFFICER/PRINSTON  
ON SMART ENGINEERS



# Memorandum of Understanding

Between  
M/s. BEEKODER Technologies Pvt Ltd

and

**The Department of Information Science and Engineering**

The Oxford College of Engineering,  
10<sup>th</sup> Milestone, Bommanahalli, Hosur Road, Bengaluru-560 068.

This Memorandum of Understanding (MOU) between the and Department of Information Science and Engineering of The Oxford College of Engineering, Bengaluru details the modalities and general conditions regarding collaboration between both the partners

## 1. SCOPE OF MOU

This MOU aims to develop strategic association and explore long term collaboration opportunities between both parties to

- a) Mutual training, knowledge sharing, **project** consultancy and R&D activities of mutual benefit.
- b) Support development of employability enhancing skills and traits that lead to overall success of students, teachers and their institution.
- c) Promote a global mindset through hands-on experiences and exposure to best practices from the best institutions in the world.
- d) Create Placements engagement and development opportunities for students through programmes, lectures, seminars, conferences, events, study trips, **internships.**



## 2. KEY OPERATION AREAS

The Scope of the MOU can be accomplished by undertaking the following activities. Any financial consideration or expenses relating to any of the activities will be agreed separately between both parties through a written notification.

- a) Mutual knowledge exchange programs between CODE B and TOCE at faculty and research scholars levels.
- b) Joint project consultancy at prorate basis to handle customers' projects.
- c) Organizing International and National conferences with joint contributions for knowledge sharing and R&D activities.
- d) Organizing workshops and seminars/FDPs for specific skill building.
- e) Focused training to students to bridge the gap between Academia & Industry support for placement of students.

## 3. ACTIVITIES AND OBLIGATIONS OF TEQUED LABS

- a) Providing quality education on latest technologies and develop products which are of great need to the society.
- b) Consultancy and project delivery in terms of services and products.
- c) Cost-effective, convenient and easy-to-manage individual/group Class room training on Software Courses.
- d) End-to-end delivery of the training to the students of ISE and other department of TOCE.
- e) Placement assistance to students completing the training successfully.
- f) On Campus online training programs for the students of TOCE to assist them further to be technologically ready, industry ready and highly employable at the end of the Engineering program.

## 4. STRONG POINTS OF TOCE

- a) Enrolment of students for various technical courses.
- b) Provisioning of the required infrastructure to enable the training and related activities:
  - i. Classrooms/Auditoriums.



- ii. Audio/Visual Systems (Project & Loudspeaker Systems or Individual PCs & Headsets).
- iii. Qualified faculty members for consultancy projects and research activities.
- iv. Good laboratories for innovative activities.
- v. Stable high speed internet connectivity to enable live online classes without any technical glitches.

## 5. GENERAL CONDITIONS

- a) Each party will establish a single point of contact who will serve as the principal interface for his/her respective organization.
- b) Either party may cancel this MOU and any extension thereof by providing the other party with 30-day notice of cancellation. Such cancellation notice shall be sent by certified mail and will be effective 30 days from the date sent. Cancellation of this agreement will have no effect on approved project agreements.
- c) Any form of financial commitment in the form of payments, discounts, vouchers, IPRs, patents etc. to be agreed separately between both parties through a written notification

## 6. EFFECTIVE DATE

- a) This MOU will be effective upon the date of the final signature of this document for a period of three year with one-year extensions available upon written mutual agreement. Extensions become effective upon final signature of the appropriate parties.
- b) This MOU will lapse if there is no activity or engagement between both the parties for a continuous period of 12 months from the start of the agreement date and each anniversary thereon.

## 7. AUTHORISED SIGNATORIES

M/s. Beekoder

1. Name: Mr. Vipul Anand Director Beekoder Technologies Pvt Ltd
2. Email: vipul@beekoder.com
3. Telephone: 8797101236

**Department of Information Science and Engineering**

The Oxford College of Engineering,

10<sup>th</sup> Milestone, Bommanahalli, Hosur Road, Bengaluru-560 068

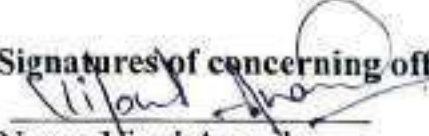
1. Dr. R. Kanagavalli, Professor & Head
2. Email: enghodise@theoxford.edu
3. Telephone: 9900300877

Through these contact persons, either party may initiate proposals for activities under this agreement. Specific details will be set forth in a letter of agreement which will form part of this general arrangement following signature by the appropriate authorities of both parties.


A letter of agreement will include such items as:

1. Elaboration of the responsibilities of each institution for the agreed upon activity. Scheduled for specific activity
2. Any other terms deemed necessary for the efficient management of the activity.

**Signatures of concerning officials**

  
Name: Vipul Anand,  
Director, Beekoder Tecnologies Pvt Ltd

Date:  27/0 | 2023.

  
Name: Dr. R. Kanagavalli  
Organization: ISE, The Oxford College of Engineering  
Designation: Professor & Head

Date: 12/04/2023

Dr. R. KANAGAVALLI  
PROFESSOR & HOD-ISE  
The Oxford College Of Engineering  
Bommanahalli, Hosur Main Road,  
Bengaluru 560 068.



# Memorandum of Understanding

Between

Take It Smart (OPC) PVT LTD

and

**The Department of Information Science and Engineering**  
The Oxford College of Engineering,  
10<sup>th</sup> Milestone, Bommanahalli, Hosur Road, Bengaluru-560 068.

This Memorandum of Understanding (MOU) between the Take It Smart (OPC) PVT LTD and Department of Information Science and Engineering of The Oxford College of Engineering, Bengaluru details the modalities and general conditions regarding collaboration between both the partners

## 1. SCOPE OF MOU

This MOU aims to develop strategic association and explore long term collaboration opportunities between both parties to

- a) Mutual training, knowledge sharing, project consultancy and R&D activities of mutual benefit.
- b) Support development of employability enhancing skills and traits that lead to overall success of students, teachers and their institution.
- c) Promote a global mindset through hands-on experiences and exposure to best practices from the best institutions in the world.
- d) Create Placements engagement and development opportunities for students through programmes, lectures, seminars, conferences, events, study trips, **internships**.





6. **EFFECTIVE DATE**

- a) This MOU will be effective upon the date of the final signature of this document for a period of **three year** with one-year extensions available upon written mutual agreement. Extensions become effective upon final signature of the appropriate parties.
- b) This MOU will lapse if there is no activity or engagement between both the parties for a continuous period of 12 months from the start of the agreement date and each anniversary thereon.

7. **AUTHORISED SIGNATORIES**

M/s. **Take It Smart (OPC) PVT LTD**

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout, Hoshalli Extension, Stage 1, Vijayanagar, Bengaluru, Karnataka 560040 Ph no.8050104212

**Department of Information Science and Engineering**

The Oxford College of Engineering,

10<sup>th</sup> Milestone, Bommanahalli, Hosur Road, Bengaluru-560 068

1. Dr. R. Kanagavalli, Professor & Head  
Email: enghodisc@thcoxford.edu  
Telephone: 9900300877

Through these contact persons, either party may initiate proposals for activities under this agreement. Specific details will be set forth in a letter of agreement which will form part of this general arrangement following signature by the appropriate authorities of both parties.

A letter of agreement will include such items as:

1. Elaboration of the responsibilities of each institution for the agreed upon activity. Scheduled for specific activity
2. Any other terms deemed necessary for the efficient management of the activity.



**Signatures of concerning officials**



*[Handwritten signature]*

Date: 22.08.22

Name: Mr. Mallikarjun Kumbhar  
Organization: M/s. Take It Smart (OPC) PVT LTD  
Designation: Director

*[Handwritten signature]*

Date: 22.08.22

Name: Dr. R. Kanagavalli  
Organization: **Dr. R. KANAGAVALLI**  
PROFESSOR & HOD:ISE  
Designation: **The Oxford College of Engineering**  
Bommanahalli, Hosur Main Road  
Bangalore 560 086.

CONTRIVER

# INTERNSHIP CERTIFICATE

This is to certify that

SHREYAS R

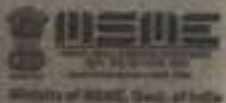
has undergone a 30 days internship training programme from  
23/08/2022 to 25/10/2022.

In the department of Programming and Development  
Contriver, Bengaluru. Under the guidance of Avinash Kundu  
and the grade awarded to the intern for the **internship project** is



*Sanjay B*

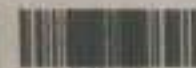
Sanjay B  
Chief Executive Officer



#startupindia



KB/TS/SK-REGN/2019-20/1363



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Children's Education Society ®  
DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
Hosur Road, Bommanahalli, Bengaluru-560 068

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

(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belgaum)

## REPORT

# Workshop on Innovation and Design Thinking Opportunities in Python & Django

Children's Education Society ®  
THE OXFORD COLLEGE OF ENGINEERING  
Department of Information Science and Engineering  
Hosur Road, Bommanahalli, Bengaluru-560 068  
Website: [www.theoxford.edu](http://www.theoxford.edu) Email [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu)  
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC New Delhi & Affiliated to VTU, Belgaum)

**Department of ISE In Association with IIC**

**Organizing**  
**Workshop on**  
**Innovation and Design Thinking Opportunities in Python & Django**  
By  
**Mr. Emmanuel Smiji,**  
Python Technical Trainer,  
&  
**Mr. Ankit Tiwari,**  
Python Junior Trainer,  
Beekoder Technologies Pvt .Ltd

**Chief Patron**  
Sri S.N.V.L.Narasimha Raju  
President  
The Oxford Educational Institutions

**Patron**  
Dr N. Kannan  
Principal, The Oxford College  
of Engineering

**Patron**  
Dr.P.Bindhu Madhavi  
IIC Convener  
Principal, The Oxford College  
of Engineering

**Convener**  
Dr.R.Kanagavalli  
Professor&HoD/ISE  
The Oxford College of  
Engineering

**Faculty coordinator**  
Ms. S.Visalini & Ms. Indu,  
Asst.Professor, Dept of  
ISE,TOCE

Date 10/4/2023  
Time : 9.00 AM to 5.00 PM

Poster for Workshop

The Oxford college of Engineering has organized 2days workshop on **Innovation and design thinking opportunities in python and Danjo** for third year students of ISE was conducted by **Beekoder Technologies Pvt .Ltd**, from **10/4/2023 and 11/4/2023**..A total of 96 students enrolled for this program . Total duration of the course was 14 hrs..

All the theory classes &lab practices were held at ISE Seminar Hall ,The Oxford College of Engineering from 9.00 am to 4.15 pm dated from **10/4/2023 and 11/4/2023**(2 days) .

The speakers Mr. **Emmanual Smiji** and Mr **Ankit Tiwari** and co speaker **Mr.Ajenkiya** conducted python programming concepts to all students along with how to create web application using python and Django environment innovatively. The trainer taught basic programming design concept like checking palindrome, changing the case using predefined functions and explained the file organization concept in Django and how to design and develop the web page using python code to all students.

All the trainers have good knowledge in all the programming concepts and thought how innovatively it can be designed.All topics were explained well with examples and the classes were interactive.The trainers discussed possible interview questions of every topic and also gave interview tips .

By doing this workshop the students got an understanding of web development in integrated environment and to handle the code innovatively.

#### **OBJECTIVES:**

- Make the students to Develop innovative full-stack web sites based on content stored in an RDMS
- Use python data types appropriately
- To design the innovative data models
- Understand the architecture of a Django-based web site and to design the innovative website based on the learnt concepts

#### **OUTCOMES:**

- Students learnt How to create routes (or views) with Django and developed the innovative websites
- Students learnt How to design the static content and files innovatively using Django
- Students learnt How to design the templates with models to serve data dynamically.

## PHOTO COLLAGE



No. of Students participants: **60**

No. of Faculties: **8**

### **Videolink:**

[https://drive.google.com/file/d/1PjbA\\_szTqnKi0vO4wAzMfpI9OrVAowPI/view?usp=sharing](https://drive.google.com/file/d/1PjbA_szTqnKi0vO4wAzMfpI9OrVAowPI/view?usp=sharing)

**Facebooklink:** [https://m.facebook.com/story.php?story\\_fbid=pfbid0tE6aSNtVMHeaWpk6kvwqKGg6nkNiSsSo7ZsS8fmWGDDYMHihfoFTczT7jFEzVnopl&id=100076261560657&mibextid=Nif5oz](https://m.facebook.com/story.php?story_fbid=pfbid0tE6aSNtVMHeaWpk6kvwqKGg6nkNiSsSo7ZsS8fmWGDDYMHihfoFTczT7jFEzVnopl&id=100076261560657&mibextid=Nif5oz)



**Student's feedback:** Students were satisfied with course content and the way the sessions were conducted.

**faculty feedback:** The speakers discussed the interview questions with the students which will help the students for their placements .Overall the session was good for our third year students.

**List of attendees of the session**

Department of Information Science and Engineering  
SEMINAR ATTENDANCE SHEET DATED:

SLSNO	USN	NAME	SEMESTER	SIGNATURE
1	10X20T5081	Abiraj	VI - B	[Signature]
2	10X20T5080	Muhammad Za	VI - B	[Signature]
3	10X20T5086	Umarid Javed	VI - B	[Signature]
4	10X20T5023	Ashish	VI - A	[Signature]
5	10X20T5024	Rohith J	VI - A	[Signature]
6	10X20T5020	Vishal	VI - B	[Signature]
7	10X20T5032	Sobha	VI - B	[Signature]
8	10X20T5093	Vijay Sankar	VI - B	[Signature]
9	10X20T5023	Chirish Roy	VI - A	[Signature]
10	10X20T5019	Anthony	VI - A	[Signature]
11	10X20T5016	Anuj	VI - A	[Signature]
12	10X20T5011	Arman	VI - A	[Signature]
13	10X20T5059	Prathab P	VI - B	[Signature]
14	10X20T5061	Raghu P	VI - B	[Signature]
15	10X20T5046	Darish Sibi	N/A	[Signature]
16	10X20T5003	Abhishek P	VI - A	[Signature]
17	10X20T5009	Alfahad	VI - A	[Signature]
18	10X20T5065	S. MANOJ	VI - B	[Signature]
19	10X20T5060	PRASHANTH	VI - B	[Signature]
20	10X20T5014	ANITH P	VI - A	[Signature]
21	10X20T5039	KUSHAL	VI - A	[Signature]
22	10X20T5024	Parthav S	VI - A	[Signature]
23	10X20T5038	Karthik Sankar	VI - A	[Signature]
24	10X20T5021	Stephen Varghese	VI - B	[Signature]

**Implementation of Intel India supported "Intel India STEM Skills Program for Women" by  
 Learning Links Foundation at The Oxford College of Engineering, Bengaluru  
 in the academic year 2022-23**

"Intel India STEM Skills Program for Women" is a program implemented by Learning Links Foundation and supported by Intel India. The free of cost program specifically focuses on imparting training and capacity development on VLSI technology for female students pursuing their B. Tech and/or M. Tech from colleges across Karnataka. Apart from technical training, students will also be enabled on soft skills like communication, team work, time management etc. to make them job-ready.

Very Large-Scale Integration (VLSI) technology is well suited to the demands of today's electronic devices and systems. As India expands its electronics system design and manufacturing capabilities, the number of job opportunities is also expected to grow in the VLSI design area, making it a lucrative career option for many.

The objective of the program is to offer women in STEM more opportunities to gain new-age technology skills that will make them workforce-ready for the future and increase the number of women in STEM who advance into leadership roles.

**Scope of Engagement**

- The Program will offer 20 Hour Free online course on VLSI and 4 hours offline training on soft skills.
- Intel co-branded course completion certificate will be issued to all the students participating and completing the course.
- Virtual hackathon will be organized for the participants at the end of the program to give them a platform to apply hands-on what
- Top performing students from college-level hackathon will get opportunity to participate and showcase their project in the state-level showcase event

**Key Roles & Responsibilities of Learning Links Foundation (LLE)**

- Coordinate with college SPOC for conduction of in-person orientation sessions
- Conduct in-person one-day orientation and soft skill training for potential course participants at the college premises.
- Follow-up with college SPOC for registration related tasks and on-boarding and registering of students onto the VLSI online course
- Provide virtual support to registered students through the completion of the online VLSI course.
- Trouble shoot on all platform as well as course related issues.
- Issuing Certificate to all the women students completing the course.
- Mentor students with their project submissions
- Facilitate Virtual Hackathons and showcase top projects

- Share institute level data re student course completion progress
- Provide letter of appreciation to the institute and SPOC for the program

Key Roles & Responsibilities of Institution partner The Oxford College of Engineering, Bengaluru

- Create awareness about the program in college notice boards, student email groups, student WhatsApp groups for maximum reach
- Appoint a SPOC for program related co-ordination
- Educate and encourage the student fraternity about the importance and opportunities of the project
- Facilitate the arrangement of classroom space, projector, AV devices for conduction of in-person orientation and Soft skill sessions.

We agree to the above described scope of work and roles and responsibilities. We agree for collaboration with Learning Links Foundation for the implementation of "Intel India STEM Skills Program for Women" **project** in our institute.

Signature: \_\_\_\_\_ Date 21.11.2022

Name: **PRINCIPAL**  
The Oxford College of Engineering  
Bommarahalli, Hosur Road  
Bengaluru-560 068

DR. N. KANNAN

College Name: The Oxford College of Engineering, Bengaluru

Phone: 94438 34087

Email: engprincipal@theoxford.edu

**WITNESS**

Signature: \_\_\_\_\_  
Name: **DR. MANJU DEVI**  
Designation: **Professor & HOD of E&C Engineering**  
The Oxford College of Engineering  
Bommarahalli, Bangalore-560 068

Signature: \_\_\_\_\_ Date 23/12/2022

Name: **Sudha Priyadarshan**  
Designation: **Partner (Tech & Innovation)**  
Phone: 9845242738  
Email: sudha.priya@learninglinksindia.org

**WITNESS**

Signature: \_\_\_\_\_  
Name: **Poornima Badiger**  
Designation: **SENIOR CONSULTANT**  
(Technology & Innovation)





- ❖ Practice which will include research, education and consultation to carry out projects in R & D Lab – ECE Department.
- ❖ This MOU shall be valid for a period of two years from the Effective Date and can be terminated by a notice of six months by either party. As per the need the MOU will be revised for further duration with same terms and conditions or mutually agreeable modifications.
- ❖ The MoU will be reviewed by the partnership committee members from time to time and maybe amended with the consent of both the parties and thereafter confirmed in writing.
- ❖ Both the parties shall agree and acknowledge that no other rights are granted except as explicitly stated here within.
- ❖ Neither party shall transfer or assign its Interests, Obligations or Rights in this agreement without the written consent of the party, provided that such consent will not be unreasonably withheld.
- ❖ Neither party shall be liable by reason of failure or delay in the performance of its obligation under this MoU if such failure or delay is caused by the acts of God, Strikes, Lockouts or any other causes beyond its control and without its fault or negligence on mutual agreement.
- ❖ Any other arrangements or activities or commitments shall be made on mutually agreed terms.
- ❖ Neither party shall disclose confidential and proprietary details to outsider(s), whatsoever.
- ❖ By no means, the Institution shall try to contact or entertain the leads from the organization, either directly or indirectly. Non-appearance from the scheduled program will not be entertained.

**5. Benefits:**

- ❖ Enriching the faculties and students in Automation and to develop research interests among the same in terms of Students Internship.

  
 Party 1: **Applicant, Academia**  
 Professor & Head of ECE Engineering  
 The Oxford College of Engineering  
 Bommanahalli, Bangalore-560 068

  
 Party 2: **Collaborator, Academia**  
**PRINCIPAL**  
 The Oxford College of Physiotherapy  
 Bagur Road, Hongsandra  
 Bangalore-560 068

  
**Signature of Head of Institute**  
**PRINCIPAL**  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bangalore-560 068



**Dr. U T Vijay**

Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru – 560 068.

Dear Sir/Madam,

Sub : Sanction of Student **Project** - 46th Series: Year 2022-2023

**Project Proposal Reference No. : 46S\_BE\_1654**

Ref : Project Proposal entitled **EXPERIMENTAL MEASUREMENT OF LIMB IMPAIRMENT FOR PATIENTS USING SENSORS**

We are pleased to inform that your student **project** proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

<b>Student(s)</b>	Mr. PREETAM AMBUDKAR	<b>Department</b>	ELECTRONICS AND COMMUNICATION ENGINEERING
	Mr. UTKARSH N		
	Ms. TULASI RATHOD		
	Ms. YUKTISHREE S		
<b>Guide(s)</b>	Dr. PREETA SHARAN	<b>Sanctioned Amount (in Rs.)</b>	5,000.00
	Mr. JAYARAJ N		

**Instructions:**

- The **project** should be performed based on the objectives of the proposal submitted.
- Any changes in the **project** title, objectives or students team is liable for rejection of the **project** and your institution shall return the sanctioned funds to KSCST.
- Please quote your **project** reference number printed above in all your future correspondences.
- After completing the **project**, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
  - Project** Reference Number
  - Title of the **project**
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords
  - Introduction / background (with specific reference to the **project**, work done earlier, etc) - about 20 lines
  - Objectives (about 10 lines)

- 8) Methodology ( about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
  - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
  - 10) Scope for future work (about 20 lines).
- e) In case of incometed **projects**, the sanctioned amount shall be returned to KSCST.
  - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
  - g) The sponsored **projects** evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
  - h) After completion of the **project**, soft copy of the **project** report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD  
ELECTRONICS AND COMMUNICATION ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING, BENGALURU
- 2) Dr. PREETA SHARAN                      Mr. JAYARAJ N  
ELECTRONICS AND COMMUNICATION ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING, BENGALURU
- 3) THE ACCOUNTS OFFICER  
KSCST, BENGALURU



## MEMORANDUM OF UNDERSTANDING

Between Decibels Lab Pvt Ltd, Bangalore

&

The Oxford College Of Engineering, Bangalore

1. **Parties.** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Decibels Lab Pvt Ltd whose address is Electric Vehicle Centre of Competence(COC) in RV College of Engineering, Mysore Rd, Bangalore and the 2<sup>nd</sup> party, whose address is The Oxford College Of Engineering, Bangalore.

2. **Purpose.** To create the industry ready talent pool for EV sector demands by facilitating the domain specific, hands-on training programs for 1000+ students, fresh graduates and faculty & Academic Professionals by using funding support given by Elevate 2021, Department of IT, BT, Government of Karnataka to Decibels Lab Private Limited. The scope of this MoU also helps to train the Students in Academic Level to meet industry requirement.

3. **Term of MOU.** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and the governing bodies of the parties' respective counties or municipalities and shall remain in full force and effect for not longer than one Year.

#### 4. Responsibilities of Decibels Lab Pvt Ltd.

- Offer short & long term certification courses
- Offer Educational Internships
- Offer Faculty Development Program
- Collaborate for Research Activities
- Take Support to Setup EV Labs

#### 5. Responsibilities of [2<sup>nd</sup> party].

- College have to grant recognition of acceptance for Courses Hosted by Decibels Lab
- College will send the circular to all Departments to take EV Courses for interested students.
- College will circulate the MoU for press & media publications.
- Information of Course conducted by DB have to reach for all COLLEGE Students by T&P Cell.

## MEMORANDUM OF UNDERSTANDING

BETWEEN



**THE DEPARTMENT OF BIOTECHNOLOGY,  
THE OXFORD COLLEGE OF ENGINEERING,  
Bommanhalli, Bengaluru-560068**

AND



**AZYMES BIOSCIENCES PVT LIMITED  
# 1188/20,3rd Floor, 26th Main Rd, opp. Ragigudda Temple Arch, Jayanagara 9th Block,  
Jayanagar, Bengaluru, Karnataka 560069**

This MoU is executed on 14- JULY -2022 between THE DEPARTMENT OF BIOTECHNOLOGY, THE OXFORD COLLEGE OF ENGINEERING, a premier centre of Excellence, herein after referred to as “**TOCE**” which expression shall mean and include repugnant to context hereof, its successor-in-interest, administrators and assigns

AND

Between AZYMES BIOSCIENCES PVT LIMITED, hereinafter referred to as “**ABS**” which expression shall man and include unless repugnant to context hereof, it’s successors-interest, administrators and assigns

Whereas

The parties have discussed and deliberated on various items of mutual interest and benefits and have deemed expedient to execute this memorandum of understanding so as to mutually co-operate in Student Training, Contract Research works, workshops, Product validation, Research **projects** sharing, validating products and assays and joint publication.

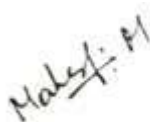
## 8. INTELLECTUAL PROPERTY, CONFIDENTIALITY AND NON-DISCLOSURE

8.1 Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and / or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff / employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

## 9. Duration, Amendment and Termination of MoU

9.1 This MoU shall be valid for a period of 2 years from the date of its signing. During the period of the validity, the MoU can be amended any time by mutual consent of both the parties in writing. The MoU can also be terminated by either party giving the order a written notice of its desire to terminate the MoU by giving three months notice in advance. In the event of such termination both the parties shall cooperate in good spirit for the completion of the ongoing researches.

For **AZYME BIOSCIENCES PVT LIMITED** For **THE DEPARTMENT OF BIOTECHNOLOGY  
THE OXFORD COLLEGE OF ENGINEERING**



**Dr. Mahesh M ,  
CEO,  
Azyme Biosciences Pvt Limited**



**Dr. B.K. Manjunath,  
Professor & Head ,  
Department of Biotechnology,  
The Oxford College of Engineering,**





CHILDREN'S EDUCATION SOCIETY (REGD.)

**THE OXFORD COLLEGE OF ENGINEERING**  
**DEPARTMENT OF BIOTECHNOLOGY**

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi and Recognized by UGC under section 2(f))  
Bommanahalli, Hosur Road, Bengaluru -560068.

☎: 080 -30219601/602/604/736, Fax: 080 - 25730551/ 30219629 E-mail: [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu)

Web: [www.theoxford.edu](http://www.theoxford.edu)

Dated: 9/08/2022


**CIRCULAR**

**Subject: INTERNSHIP / PROJECT Opportunity for the Academic year 2022-23**

The Department is organizing **Internship/ Projects** in association with the following companies who have MOU with the department for the current academic year 2022-23. Interested students are herewith informed to contact the coordinator Mr. Divakara and enroll your name on or before 18/8/2022

List of Companies:

1. Azyme Bioscience Pvt.Ltd,  
# 1188/20,3rd Floor, 26th Main Rd, opp. Ragigudda Temple Arch,  
Jayanagara 9th Block,  
Jayanagar,  
Bengaluru, Karnataka 560069
2. Stericon Pharma Pvt.Ltd  
No. 9R, Sub Layout of Plot No.9, 1st Phase, Bommasandra Industrial Area, Bengaluru, Karnataka  
560099

  
Head of the department  
**DR. B.K. MANJUNATHA**  
Professor & Head  
Department of Biotechnology  
The Oxford College of Engineering  
Bengaluru-560068

30<sup>th</sup> SEP 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. CHAITHRA SHREE P (USN:10X19BT006), B.E Biotechnology student of, THE OXFORD COLLEGE OF ENGINEERING BANGALORE has undergone her **Internship** at Stericon Pharma Private limited, Bangalore for a period of **3 Weeks** from **02/09/2022 to 30/09/2022**

During her stay she had exposure to Production, Engineering , Quality control , Quality Assurance and Stores Departments of Eye/Ear Drops and Contact Lens Cleaning Solution.

We wish her the best in her future endeavour

for Stericon Pharma Private Limited

*Rahmath Ulla M.*

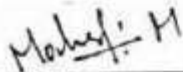
Rahmath Ulla M  
Production Head



Date: 3<sup>rd</sup> May 2023

**CERTIFICATE**

This is to Certify that Ms.Vismitha R , Student of Department of Biotechnology From The Oxford College of Engineering, Bengaluru has successfully completed **Project work** titled "Probiotic Drink from Flax Milk" from 1<sup>st</sup> February 2023 to 28<sup>th</sup> April 2023 at Azymes Biosciences Pvt.Ltd.

  
\_\_\_\_\_  
*Mahesh. M*  
*CEO*





MEMORANDUM OF UNDERSTANDING  
(MOU)  
BETWEEN



THE OXFORD COLLEGE OF ENGINEERING,  
DEPARTMENT OF MECHANICAL ENGINEERING  
AND  
PRINSTON SMART ENGINEERS

The Memorandum of Understanding is made between Department of Mechanical Engineering, THE OXFORD COLLEGE OF ENGINEERING and PRINSTON SMART ENGINEERS, to promote the cooperation in Workshops, Conferences and Seminars would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

- To conduct the conferences, seminars and workshops.
- Should accommodate the UG students in such a number that industry deems convenient to it for the purpose of imparting industrial training and internships.
- To give the placement opportunities to the students.

The parties anticipate that a number of these initiatives will occur during the period of this MOU i.e (Oct-2020 to Oct-2023). However, neither party is obligated to agree to any minimum number of activities, nor is this MOU intended to preclude either party from entering into similar agreements with other institutions.

The following initiatives provide good starting places and can be implemented as soon as administrative details are agreed upon between the two institutions:

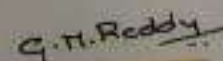
This MOU shall be identified as the parent document of any program agreement executed between the parties. Further agreements concerning any program shall provide details concerning the specific commitments made by each party and shall not become effective until they have been reduced to writing, executed by the duly authorized representatives of the parties.

This Agreement shall become effective upon being signed by both parties.


HEAD OF TRAINING  
CHIEF EXECUTIVE OFFICER  
PRINSTON SMART ENGINEERS

SIGNATORIES

  
Dr. MADHU SUDANA REDDY G  
PROFESSOR & HEAD  
DEPARTMENT OF MECHANICAL ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BOMMANAHALLI, BANGALORE-560068

  
Prof. N. S. REDDY  
HEAD PLACEMENT, TRAINING & EDUCATION  
THE OXFORD COLLEGE OF ENGINEERING  
BOMMANAHALLI, BANGALORE-560068  


  
Dr. G. T. RAJU  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangaluru-560 068.



**Children's Education Society ®**  
**THE OXFORD COLLEGE OF ENGINEERING**  
**Hosur Road, Bommanahalli, Bengaluru-560 068**  
**Department of Mechanical Engineering**

The HOD  
Department of Mechanical Engineering  
The Oxford College of Engineering  
Bangalore – 560068

To  
HR  
Prinston Smart Engineers  
Bangalore

Respected Sir/Madam,

Sub: Permission for pursuing **Internship** Program

With the reference to above the following 6<sup>th</sup> semester students of this institute would like to do an **internship** in your esteemed organization. As a part of VTU curriculum, they have to undergo mandatory internship for a duration of 4 weeks.

Kiran P R – 1OX20ME005

Prashant Ranjan – 1OX20ME010

Prajwal Kumar – 1OX21ME402

We request you to permit them to do the **internship** in your organization

*G. H. Reddy*

HOD- MECH





# MEMORANDUM OF UNDERSTANDING (MOU)



BETWEEN

**THE OXFORD COLLEGE OF ENGINEERING,  
DEPT. OF MECHANICAL ENGINEERING  
AND  
EXCEL SPRINGS PVT. LTD.**

A Memorandum of Understanding is made between Department of Mechanical Engineering, THE OXFORD COLLEGE OF ENGINEERING and EXCEL SPRINGS PVT. LTD., to promote the cooperation in Research, Workshops, Conferences and Seminars would be mutually beneficial. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of joint academic and educational activities such as:

- Joint research publications with the industry.
- To conduct the conferences, seminars and workshops.
- Should accommodate the UG students in such a number that industry deems convenient to it for the purpose of imparting industrial training and **internships**.
- The students will carry out part of their UG project at industry depending on the nature of the work as per rules depending on the facilities and requirements.
- To give the placement opportunities to the students.

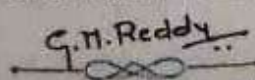
The parties anticipate that a number of these initiatives will occur during the period of this MOU i.e (Jan-2021 to Jan-2024). However, neither party is obligated to agree to any minimum number of activities, nor is this MOU intended to preclude either party from entering into similar agreements with other institutions.


The following initiatives provide good starting places and can be implemented as soon as administrative details are agreed upon between the two institutions:

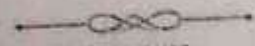
This MOU shall be identified as the parent document of any program agreement executed between the parties. Further agreements concerning any program shall provide details concerning the specific commitments made by each party and shall not become effective until they have been reduced to writing, executed by the duly authorized representatives of the parties.

This Agreement shall become effective upon being signed by both parties.

## SIGNATORIES

  
PROFESSOR & HEAD  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MECHANICAL ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BOMMANAHALLI, BANGALORE-560088

  
Prof. NANCY JOHNSON  
HEAD PLACEMENT, LEARNING & EDUCATION THE  
OXFORD EDUCATIONAL INSTITUTIONS

  
Mr. MANOHAR  
EXECUTIVE DIRECTOR  
EXCEL SPRINGS PVT. LTD.

  
PRINCIPAL  
The Oxford College of Engineering  
THE OXFORD COLLEGE OF ENGINEERING  
Bommanahalli, Hosur Road  
Bengaluru-560 088.





**Children's Education Society ®**  
**THE OXFORD COLLEGE OF ENGINEERING**  
**Hosur Road, Bommanahalli, Bengaluru-560 068**  
**Department of Mechanical Engineering**

The HOD  
Department of Mechanical Engineering  
The Oxford College of Engineering  
Bangalore – 560068

To  
HR  
Excel Springs Pvt Ltd  
Bangalore

Respected Sir/Madam,

Sub: Permission for pursuing **Internship** Program

With the reference to above the following 6<sup>th</sup> semester students of this institute would like to do an internship in your esteemed organization. As a part of VTU curriculum, they have to undergo mandatory **internship** for a duration of 4 weeks.

Imran Ali Wani – 1OX20ME004

Lokesh G – 1OX20ME006

Chetan K – 1OX21ME400

We request you to permit them to do the **internship** in your organization

*G. H. Reddy*

HOD- MECH



Now this agreement witness as follows;

1. The First Party is **The Oxford College of Engineering, Bengaluru** which is a higher education technical institute, approved by AICTE, affiliated to Vishweshwaryya Technology University, Belagavi, to conduct the technical programs at the college site of <http://www.theoxford.edu/engineering/>
2. The Second Party is **Construction Management Training Institute** situated at Jayanagar, Bengaluru – 560011, is into providing employment based value added certified courses for Civil Engineers & Construction professionals for more details <https://www.cmti.co.in/>
3. Both the parties have the common interest of training the students and making them industry ready by the time they come out of the institution. Both the parties believe that close cooperation between the two would be of major benefit to the student community to enhance their skills and knowledge.
4. The First Party shall be providing the infrastructure and other facilities to conduct online trainings seminars, workshops, offline training programs, Practical Trainings
5. The Second Party shall provide assistance in organizing **field visits**, training the students in various fields, Internships, student **projects** and any other related programs related to Placements assistance. Second party intended to support with resources from Industries and **project** works guidance and education on Green Buildings.
6. The Second Party shall support in conducting technical seminars, workshops and conferences etc., organized by the first party on various topics related to industry requirements.
7. The Second Party shall be assisting the students for the placements / Internships / Projects /Entrepreneurship skills
8. The Second Party shall help the First Party to develop the consultancy in the department of civil engineering.
9. This agreement shall come into effect from 07.04.2021
10. The duration of this MOU shall be for period of 5 (FIVE) years from the date of effect, i.e., from 07.04.2021 to 06.04.2026 If not renewed or amended in writing the same shall be considered as expired or terminated.
11. Any alteration, addition or modification in this MOU shall be in writing and signed by both the parties.



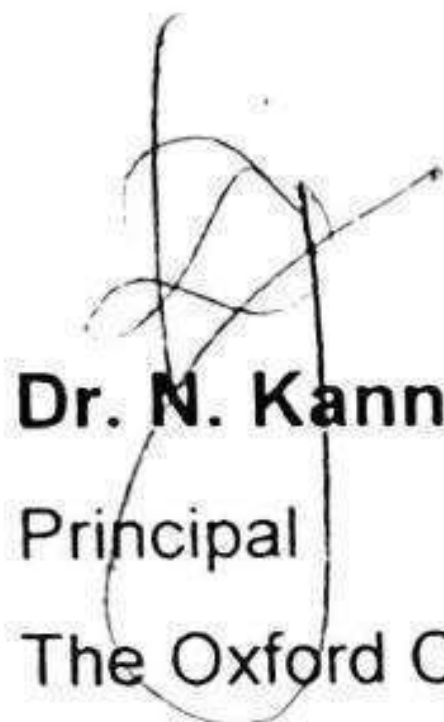
S.G. 



12. Any notice, request or other communication required or permitted to be given or made under this agreement to First Party or Second Party, shall be in writing. Such notice or request shall have been given or made when it shall have been delivered by hand, mail with a copy by facsimile to the party to which it is addressed at such party's address specified below or at such other address as such party shall have designed by notice to the party for giving such notice or making such request.

13. The parties hereto acting themselves or through representatives duly authorized, have caused this agreement to be signed in their respective names as of the day & year written above.

**AUTHORISED SIGNATORIES**



**Dr. N. Kannan**

Principal

The Oxford College of Engineering  
Bengaluru-560 068.



**Er. S G Ashok Kumar**

Founder & CEO

Construction Management Training Institute,  
Jayanagar 3rd Block,  
Bengaluru - 560011

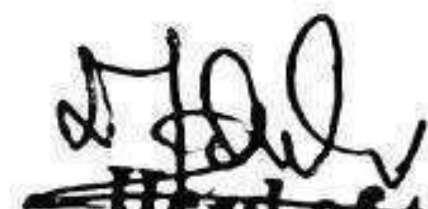


**Dr. Amarnath.K**

DIRECTOR,

THE OXFORD INSTITUTIONS

BANGALORE



**Head of the Department**

Department of Civil Engineering

**Dr. Malleshaiah T.S. M.E, Ph.D**

Professor & Head of the Department

The Oxford College of Engineering

BANGALORE - 560068





## THE OXFORD COLLEGE OF ENGINEERING

10<sup>TH</sup> Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068

(approved by AICET New Delhi, Accredited by NBA, New Delhi, Affiliated to VTU)

### SEMINAR ON

### "ENTERPRENEURSHIP AND STARTUP OPPORTUNITIES FOR CIVIL ENGINEERS"



**Children's Education Society**  
**THE OXFORD COLLEGE OF ENGINEERING**  
Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NBA New Delhi and Recognized by UGC  
Hosur Road Bommanahalli, Bangalore - 560068



**INSTITUTION'S INNOVATION COUNCIL**  
www.oxfordcollege.org

**Department of Civil Engineering**  
In Association with IIC  
Organizing a Seminar on  
**"Entrepreneurship and startup Opportunities for Civil Engineers"**

**Chief Patron**  
Sri S.N.V.L. Narasimha Raju  
President  
The Oxford Educational Institutions



**Er Ashok Kumar** BE, PMP, IGBG, AP  
Founder CEMTI & PES  
Bangalore

**Date**  
06/12/2022  
**Time**  
11:00AM - 12:00 PM

**Dr. Malleshiah T.S**  
HOD - CE  
The Oxford College of Engineering

**Dr N. Kannan**  
Principal & President IIC  
The Oxford College of Engineering

**Dr P. Bindhu Madhavi**  
IIC Convener  
The Oxford College of Engineering

**Prof. Amrutha M**  
IIC Member - CE  
The Oxford College of Engineering

## Objectives of the Workshop

1. Being an effective leader Setting a good example & developing a positive organizational culture
2. Developing a positive organizational culture Building a team/organization Creating an efficient organizational structure

The Oxford College Of Engineering , Bengaluru – Institutions Innovation Council in association with Department of Civil Engineering a seminar titled "*Entrepreneurship and startup opportunities for civil engineers*" by Er Ashok kumar, on 06<sup>th</sup> Dec 2022 from 11:00 AM -12 PM in online mode

He is a certified Indian green Building council Accredited professional, certified **project** management professional - PMI USA, member of advisory board IGBC- Education , core convener IGBC Bengaluru chapter student and institution, corporate trainer for Larsen & toubro, He started carrier as junior Engineer, having 25 years construction field experience in various **projects** of industrial, highway, Airport and residential urban developments , construction manager for development of airfield rigid pavement in hyderabad international airport , planning manager for Ahmadabad viragham highway project, zonal head for residential **project** (Artha real estate corporation), general manager for urban development **projects**, placed 2000+ civil engineers across India

The resource person explained following things:

To be a successful entrepreneur, you must have great and innovative ideas. Building a team/organization, Creating an efficient organizational structure & Being an effective leader with setting a good example, All the other factors that influence success are nothing without a ideas. The speaker has also explained with examples how to become a successful entrepreneur with creative ideas and determination. He has encouraged the students to think big and to try without giving up and how to demonstrate global entrepreneurship activity with fastest growing share of India and also explained different types of entrepreneurship.

## Outcome of the Workshop

- To understand the basics of Entrepreneurship and its Importance in modern society
- Skill set required to become an entrepreneur and how to convert simple idea into an innovation.
- Key performance indicator of a graduate likely to become an entrepreneur.
- An entity shall be considered as a Startup:
- If it is incorporated as a private limited company or registered as a partnership firm or a limited liability partnership in India.
- Not older than ten years from the date of its incorporation/registration.
- Its turnover for any of the financial years since incorporation/registration has not exceeded higher amount of value

## Speaker Details:

Er Ashok kumar  
Founder & CEO  
Center management training Institute  
Bangalore

## Link for Registration for Seminar:

<https://forms.gle/jkQ6fK4haAaECSQR8>

## Session Link:

<https://tinyurl.com/33z3f4rm>

Number of Participants: 53

## Workshop attendance:

SL NO	Full Name	User Action	Timestamp
1	AMRUTHA M	Joined	12/6/2022, 12:21:55 PM
2	Prakash	Joined before	12/6/2022, 12:21:55 PM
3	Faizan Ahmad Mir	Joined before	12/6/2022, 12:21:55 PM
4	Mehdi Ali	Joined before	12/6/2022, 12:21:55 PM
5	Mehdi Ali	Left	12/6/2022, 12:22:06 PM
6	Nanditha U	Joined before	12/6/2022, 12:21:55 PM



38	SHASHANK R	Joined before	12/6/2022, 12:22:07 PM
39	SYED HABEEB PATEL	Joined before	12/6/2022, 12:22:07 PM
40	TAHSANUL HASSAN	Joined before	12/6/2022, 12:21:56 PM
41	VIJAY KUMAR A	Joined before	12/6/2022, 12:22:07 PM
42	YALLALING S	Joined before	12/6/2022, 12:21:55 PM
43	MOHAMMAD MUZAMIL SHEIKH	Joined before	12/6/2022, 12:21:55 PM
44	BHARATH	Joined before	12/6/2022, 12:22:07 PM
45	FAIZAN AHMAD MI	Joined before	12/6/2022, 12:21:55 PM
46	KEERTI	Joined before	12/6/2022, 12:21:55 PM
47	LINGESHWARAN	Joined before	12/6/2022, 12:21:55 PM
48	SURESH	Joined before	12/6/2022, 12:21:55 PM
49	RANJITH	Joined before	12/6/2022, 12:22:07 PM
50	Manoj kumar	Joined before	12/6/2022, 12:21:56 PM
51	Pavan	Joined before	12/6/2022, 12:22:07 PM
52	Saroja M	Joined before	12/6/2022, 12:21:55 PM
53	Arun S	Joined before	12/6/2022, 12:21:55 PM

## Feedback Report

FULL NAME	Student / Faculty	Department	Institution	Place	Was the Session useful for you?	Did the Seminar meet your expectations?	How was the overall Seminar organization?	Suggestions (if any)
AmruthaM	Faculty	Civil Engineering	The Oxford College of Engineering	Bangalore	Strongly Agree	Yes	Excellent	NIL
Mrs Gayathri Bala	Faculty	Civil Engineering	The Oxford college of engineering Bangalore	Bangalore	Strongly Agree	yes	Very Good	Nil



## 5. AGREEMENTS FOR RESEARCH COLLABORATION

Research undertaken by the **THE OXFORD COLLEGE OF ENGINEERING**, the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) will be remains to the original inventors and in the college name.

## 6. CONFIDENTIALITY

- a. During and for a period of one year from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
  - is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
  - is already known or become known to the receiving party
  - is received from a third party having no obligations of confidentiality to the disclosing party,
  - is independently developed by the receiving party, or
  - is required to be disclosed by law or court order.

## 7. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

## 8. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire **1 year** after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

## 9. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

- (a) **Hands-on-Workshop / SDP:** VI Solutions will organize at least one hands-on-workshop on latest technologies like Industrial Internet of Things – IIoT, Machine Learning, Artificial Intelligence, Embedded System Design etc., for students as agreed terms and conditions every year. The College will provide the infrastructure facility for conducting such workshop in the campus. VI Solutions will provide certificates for the participants for workshops authorized by National Instruments.
- (b) **FDP:** VI Solutions will organize at least one Faculty Development Program on latest technologies like Industrial Internet of Things – IIoT, Machine Learning, Artificial Intelligence, Embedded System Design etc., as agreed terms and conditions every year. The College will provide the infrastructure facility for



conducting such workshop in the campus. VI Solutions will provide certificates for the participants for workshops authorized by National Instruments.

- (c) **Internship:** VI Solutions will short list candidates for **internships** after workshop based on their performance and willingness.
- (d) **Workshops/Events:** If the College wishes to organize a national event in the area of IoT, Machine Learning, Artificial Intelligence, Signal processing & Image Processing, VI Solutions will provide speakers.

#### 10. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

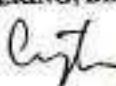
#### 11. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of

**THE OXFORD COLLEGE OF  
ENGINEERING, BENGALURU**

By :  **Prof. & HOD**  
**Department of Mechatronics**  
**The Oxford College Of Engineering**

Name : Dr Manjula Bommanahalli, Bangalore - 560 068

Title : Assoc.Prof & Head - Dept. of Mechatronics

Date : 03/03/2023

Witness :

1.

2.

on behalf of

**VI SOLUTIONS, BENGALURU**

By :  

Name

Title : Managing Director

Date : 03-03-2023

Witness :

1.

2.



01/08/2023

From

Dr. Manjula C,  
Associate Prof. & HOD,  
Mechatronics Engineering,  
TOCE, Bangalore.

To

The Principal,  
TOCE, Bangalore.

Respected Sir,

Subject: Permission to collect the amount of Rs.10,000/- from the allocated budget for the conduction of 2-Days Workshop on "Graphical Programming in LabVIEW".

With reference to the above, Department of Mechatronics Engineering is conducting the Workshop on "Graphical Programming in LabVIEW" for 2 days on 31/7/2023 & 1/8/2023. The Resource Person is Mr. Satyanarayana R, Senior Application Engineer, VI Solutions, Bangalore.

I kindly request you to grant permission to sanction the amount of Rs.10,000/- from the budget allocated to Mechatronics Department to pay for the Resource Person for the conduction of 2 days workshop.

The Budget is spent in the following Format,

1. Payment to the Resource Person : Rs 10,000/- [Rs. 5,000/- per day]

Payment Details:

Name	Sunil Kumar V
Bank	HDFC Bank
Branch	Millers Road/Cunningham Road
Account No	12081000035637
IFSC	HDFC0001208
Cheque/DD drawn in favor of	VI Solutions

Thanking You,

Yours Sincerely

(Dr. Manjula C)  
HOD/MTE



THE OXFORD COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHATRONICS ENGINEERING

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi, Accredited by NBA, NAAC 'A' Grade and Recognized by UGC under section 2(F), Dominyanahalli, Hosur Road, Bengaluru - 560068.

☎ 080-3021960/3021962-904/716, Fax: 080-25710551/30219629 E-mail: enggprincipal@theoxford.edu Web: www.theoxford.edu

### Report on Impact of the Workshop

Objectives Aimed:	<p>The Objective of the Workshop is to make students aware about</p> <ol style="list-style-type: none"><li>1. LabVIEW is essentially a graphical programming language</li><li>2. LabVIEW has a modular design, making it easy to scale and modular programs.</li><li>3. LabVIEW software is used to build complex systems as it reduces the amount of development effort.</li><li>4. It is used in Automated Product design validation of a component/sub-system/system</li><li>5. LabVIEW software is predominant in the areas where hardware products are built based on embedded programming languages</li></ol>
Outcome of the event:	<p>The Students were able to</p> <ol style="list-style-type: none"><li>1) Understand the Industrial application of LabVIEW Software</li><li>2) Practical Knowledge on Interfacing of Hardware Modules</li><li>3) Designing of hardware products using Graphical Programming Language</li></ol>
Beneficiary details:	Fourth Semester students of Mechatronics Engineering
Resource person detail with contact number and affiliation	Mr.Satyanarayan, VI Solutions Bangalore.
Impact/Outcome of the event	<ol style="list-style-type: none"><li>1. Understand the fundamentals of complex engineering problems.</li><li>2. Knowledge to Analyze and Solve Complex Engineering Problems in Graphical method</li><li>3. Knowledge on usage of Modern tool usage like LabVIEW Software</li><li>4. Ability to engage in Life long learning according to technological change</li></ol>

**VI SOLUTIONS**

#22, 2<sup>nd</sup> Floor, AKAI Plaza, D Rajagopal Road,  
Sanjay Nagar Bangalore - 560 094.  
Tel: 080 - 4094 8484

**PROFORMA INVOICE**

ORIGINAL BUYER'S COPY  
Date: AUG 03, 2023

Purchase Order Number: - NA  
PROFORMA INVOICE # - PI/23-24/708  
PAN# AFZPV6042H

INVOICE TO:		SHIP TO:	
Name	Oxford College of Engineering	Name	Oxford College of Engineering
GSTIN#	-	GSTIN#	-
Contact Person	Principal	Contact Person	Principal
Number	+91-99643 13495	Number	+91-99643 13495
Address	Oxford College of Engineering 10 <sup>th</sup> Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka, 560 068	Address	Oxford College of Engineering 10 <sup>th</sup> Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka, 560 068

(All Prices in Indian Rupees)

SN	DESCRIPTION	#DAYS	UNIT PRICE	LINE TOTAL
01	NI LabVIEW Software and Hardware Training Program	02	8,000.00	16,000.00
<b>SUB TOTAL</b>				16,000.00
<b>DISCOUNT</b>				6,000.00
<b>TOTAL</b>				<b>10,000.00</b>

**Amount in Words:**

Rupees Ten Thousand Only (Rounded Off).

*Cyber*  
1/8/2023





## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is entered on 21<sup>st</sup> January, 2022

By & Between

**Research International, #2, 1<sup>st</sup> Floor, G S Palya Road, Koanappana Agrahara, E-City Post,  
Bangalore-560100**

and

**MBA Department , The Oxford College of Engineering, 10<sup>th</sup> Milestone, Bommanahalli,  
Hosur Road, Bengaluru-560 068**

This Memorandum of Understanding (MOU) sets for the terms and understanding between  
**Research International, #2, 1<sup>st</sup> Floor, G S Palya Road, anappana Agrahara, E-City Post,  
Bangalore-560100**

and

**MBA Department , The Oxford College of Engineering, 10<sup>th</sup> Milestone, Bommanahalli, Hosur  
Road, Bengaluru-560 068**

### **Purpose:**

This MOU aims to develop strategic association and explore long term collaboration opportunities between both parties to

- Support development of employability enhancing skills and traits that lead to overall success of students, teachers and their institution.
- Promote a global mindset through hands-on experiences and exposure to best practices from the best institutions in the world.
- Create development opportunities for students and faculty through programmes, Guest lectures, seminars, conferences, visits, events, study trips. The above goals will be accomplished by undertaking the following activities. Any financial consideration or expenses relating to any of the activities will be agreed separately agreed between both parties through a written notification. **Co-organise and host events, conferences,**





This **MEMORANDUM OF UNDERSTANDING** ("MOU") is entered on 12-06-2023 between: **Veterans India** organization registered under Indian Trust Act, 1882 having its registered office at D-253, Madhu Vihar Near, Sector-3, Dwarka, New Delhi-110059. And Corporate Office Plot-C -713 B, First Floor, Sector-7 (Market), Dwarka, New Delhi 110077, India, of the **FIRST PARTY**;

AND

**Department of MCA**  
**The Oxford College of Engineering,**  
**10<sup>th</sup> Milestone, Bommanahalli, Hosur Road, Bengaluru-560 068**

**WHEREAS** Veterans India is a National apolitical patriotic non-profitable organization of Veterans from all fields led by an Ex-Servicemen (which includes Gallantry Awardees, Martyr's families, Disabled Soldiers, Ex-Servicemen and their families) to inculcate patriotism, nationalism and integrity among citizens of the Nation especially youth and students.

### **(About college / Institute/ University)**

**AND WHEREAS** the parties, through professional interactions and collaboration seek to bring patriotism, nationalism and integrity in students of higher education Institutions ( HEIs) of India by merging veterans experience and guidance through higher education activities, both enter into this agreement to establish a strategic partnership in the areas given in more details in the succeeding paragraphs.

### **Preamble and Objectives**

The objective of this MOU defines standards for the overall development of UG and PG students by bringing a Military touch that enables the youth to grow in all three dimensions (Mansa, Vacha and Karmana).

### **Strategic Collaboration (Objectives, Scope & Outcome)**

The Veterans India and (Name of College) under this MOU, shall collaborate towards:

1. Bringing nationalism and patriotism in higher education Institutions (HEIs)/Universities through activities based on veterans India themes and sharing experiences of Ex-Servicemen.
2. Personality development and Strategy building practices within higher education Institutions / Universities by involving local Veterans within higher education Institutions/ University vicinity.







3. Targeted preparation for SSB/CDS and other military examinations and interviews.
4. Modernizing NCC culture in higher education Institutions/ University vicinity by quick adoption model.
5. Connecting youth with veterans to make 2nd innings of veterans a better place full of knowledge and joy.
6. Adoption of Must Train method [Strategy and Tactics] for self-defense and national security.
7. Working together for the welfare of Gallantry Awardees, Martyr's families, Disabled Soldiers, Ex-Servicemen and their families.
8. Weekly/Monthly Activities to bring veterans from India and retired Military personnel into Induction level programs in higher education Institutions/Universities.
9. Monetary Compensation to Veterans for sessions they attend as speakers or expert to share their experience post-retirement.
10. All Sports/ physical fitness activities are to be conducted in collaboration with the Veterans India Youth Wing to meet the objective of the FIT India movement launched by the Honourable Prime Minister.
11. The college / Institute/ University shall provide premises in their campus free of cost and available manpower to Veterans India for patriotic activities as and when required besides above mention activities.
12. Facilitation of appropriate internship opportunities to the students in all applicable aspects of the organization including management and technology sectors in their Wings.

### **Definitive Agreement**

Any cost associated with the execution of the objectives of this MOU, if any, shall be mutually discussed and agreed to between the parties in a definitive agreement, before carrying out the activity.







### **Tenure and Termination**

This MOU is valid for five (5) years initially and will be deemed renewed for three years unless terminated otherwise.

This MOU shall commence as set forth above and remain in effect through the end of the term unless:

- a. Otherwise superseded by another agreement between the parties.
- b. The parties mutually agree to terminate this MOU.
- c. Either party gives the other 90 days' written notice of their intent to terminate this MOU.
- d. A breaching party has failed to cure a material breach of this MOU within 30 days following written notice of that breach given by the non-breaching party.

Each party is an independent contractor and no provision of this MOU grants either party any express or implied right or authority to assume or create any obligations or responsibility on behalf of or in the name of the other party or bind the other party in any manner or thing whatsoever.

Neither party shall assign or transfer the privileges and obligations under this MOU without the prior written consent of the other party.

The law of the Republic of India shall govern this MOU. Any dispute between the parties arising in connection with the performance of this MOU shall be resolved amicably between the parties through a process of negotiation before the use of any judicial remedy before the appropriate forum. Both parties irrevocably submit to the exclusive jurisdiction of the Courts at New Delhi, for any action or proceeding.





Any changes to the MOU are to be mutually agreed to by Veterans India and the (Name of College/Institute/University) and executed in writing.

This MOU may be executed in one or more counterparts, each of which will be deemed to be an original of this MOU and all of which, when taken together, will be deemed to constitute the same agreement. A signed copy of this MOU delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of the original signed agreement.

IN WITNESS WHEREOF, the parties hereto have executed this MOU on this 12<sup>th</sup> day of June 2023.

For and on behalf of

MCA/The Oxford College of Engineering

  
 Department of MCA  
 The Oxford College of Engineering  
 Hosur Road, BANGALORE -  
 HOD-MCA

The Oxford College of Engineering  
 10th Milestone, Bommanahalli,  
 Hosur Road, Bengaluru-560 068

For and behalf of

Veterans India

  
 DELHI

Dr. B K Mishra

National President, Veterans India  
 Dwarka New Delhi 110059

WITNESSES:

  
 12/6/23

Prof. Dharamvir  
 Dept of MCA

The Oxford College of Engineering  
 10th Milestone, Bommanahalli,  
 Hosur Road, Bengaluru-560 068

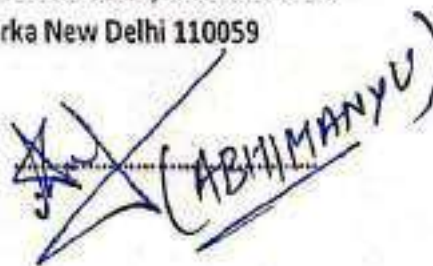
  
 12/6/23

National President, Veterans India  
 Dwarka New Delhi 110059

  
 12/6/23

Prof. J C Achutha  
 Dept of MCA

The Oxford College of Engineering  
 10th Milestone, Bommanahalli,  
 Hosur Road, Bengaluru-560 068

  
 (ABHIMANYU)

National President, Veterans India  
 Dwarka New Delhi 110059