

**INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY**

**University of Sindh, Jamshoro**

**BS (Telecommunication) (MORNING) FINAL YEAR PROJECTS**  
**Project Proposal Evaluation 2019**

S.No	Project ID	Title of Project	Supervisor	Submitted By		Accepted / Rejected	Remarks
				Roll No	Name		
1	TC-01	IoT based Inter-Vehicular Communication System	Dr.Shahzad Ahmed Memon	2K16/TCT/16	Fahad Iqbal	Resubmit	1. Specify the IoT module and IoT based rough architecture( like sensor,Network, Middleware and service Layer communication) 2. which Simulator will be used? How will you evaluate the paramters?. Which Software will be used for data analysis and Information processs mechanism? 3.VANET is mentioned (What kind of routing protocol will be used for Vanets). How will you incorporate VANETs?
			Mr. Rahat Ali Bhatti	2K16/TCT/30	Moazzam Shah Bukhari		
2	TC-02	Human Safety Device with GPS tracking and Alerts	Mr. Rahat Ali Bhatti	2K16/TCT/20	Furqan Hussain	Resubmit	If you want to submit with same idea, be specific in your proposal. This project has been made earlier. Flow chart is not correct. Design it in an automated way so that it can be traced/detected by sensor (Voice or gesture based tracking and alerts by testing it on benchmark corpus). The proposal will be carefully reviewed and re-evaluated, accordinly.
			Mr.Muhammad Hussain	2K16/TCT/58	Shafullah Khattak		
3	TC-03	Sensor-based activity recognition with feature engineering and machine learning approaches	Dr.Sander Ali Khowaja	2K16/TCT/28	Maryam Jawed	Accepted	Add more work from literature.
			Mr. Kamran Dahri	2K16/TCT/54	Samra Siraj		
4	TC-04	Theft detection system for vehicle by face and voice recongnition	Mr. Nisar Ahmed Memon	2K16/TCT/67	Tahir Ahmed Memon	Resubmit	Specify the working methodology properly. Given diagram is a connection diagram.Be specific in order to justify it. Which algorithms are used for face and voice recongnition? Which programming language is used for training the face recongnition module? How will you integrated the program with arduino module.
			Mr. Muhammad Hussain	2K16/TCT/82	Waseem Ahmed Bajwa		
5	TC-05	Soldier's Health and Position Tracking System	Mr. Nisar Ahmed	2K16/TCT/06	Abdul Sattar	Resubmit	Specfy the working principle properly. How transmission occurs and data is fetched from middleware? How the Internet connection will be provided for transmission in field. If blast occurs how GPS module will survive?
			Mr. Kamran Dahri	2K16/TCT/11	Arslan Ahmed		
6	TC-06	Electronic Speaking system for speech Impaired people through hand gestures	Mr. Nisar Ahmed Memon	2K16/TCT/86	Ali Asghar Shah	Resubmit	Methodology does not sound good. It is a connection diagram. How the gesture is recognized? What kind of the features are extracted from accelerometer sensor . Literature review is weak. Most of them are conference papers not Journal papers. which of the Python package will be used?
			Mr. Kamran Dahri	2K16/TCT/70	Tanzeel Riaz		
7	TC-07	Simulation and Testing of Indoor Car Parking System using Zigbee	Mr. Rahat Ali Bhatti	2K16/TCT/38	M.Mujtaba Shaikh	Resubmit	Simulation of Zigbee is already available in opnet demos. Change your topic or make hardware of your project.
			Engr. Abdul Wahab	2K16/TCT/68	Taimoor Chohan		
8	TC-08	Indoor Navigation System for blind people using Li-Fi technology and Visible light Communication VLC	Mr.Muhammad Hussain	2K16/TCT/65	Syed Ameer Hamza	Resubmit	Exactly the same title, flow chart and methodology is being proposed in Mehran UET Telecom department, this year. This project will be closely monitored and evaluated if it is found the same then project will be disqualified further at any stage of evaluation.
			Mr.Rahat Ali Bhatti	2K16/TCT/35	M.Hassan Shaikh		
9	TC-09	Road Monitoring System using Arduino	Mr.Rahat Ali Bhatti	2K16/TCT/02	Abdul Ahad	Resubmit	Add a detailed working methodology as how the traffic will be monitored in real time? What kind of technologies and algorithms will be used? how the shortest path or the basic Dijkstra algorithm will be implemented for maps and graph networks. As it has been made earlier many times, more features should be added or change the project.
			Engr. Abdul Wahab	2K16/TCT/03	Abdul Ahad Khan		
10	TC-10	Underground Cable fault distance locator over GSM Technology	Mr.Rahat Ali Bhatti	2K16/TCT/43	Nabiha M.Roshan	Resubmit	Methodology is general. How it finds the exact location of the fault? Which techniques will be used? No circuit diagram is mentioned. Resubmit with proper amendment.
			Engr. Abdul Wahab	2K16/TCT/64	Sohail Yaqoob		
11	TC-11	Digitize Challan payment System University of Sindh	Mr.Nisar Ahmed Memon	2K16/TCT/51	Ratan Kumar Malhi	Resubmit	Made in 2015 IT/Sw. Change your title and justify how it is different.
			Engr. Abdul Wahab	2K16/TCT/15	Avinash Maheshwari		

12	TC-12	Emotion Recognition using Physiological signals from wearable sensors	Dr.Sander Ali Khowaja Mr.Kamran Dahri	2K16/TCT/81 2K16/TCT/76	Wara Balouch Wajid Hussain	Accepted	Provide details on literature Review.
13	TC-13	GSM based sleep apnea detection using arduino	Mr.Rahat Ali Bhatti Mr. Muhammad Hussain	2K16/TCT/31 2K16/TCT/36	Mohsin Ishfaqe Mohammad Ishaque	Resubmit	How GSM will be used getting vitals of the user? According to the health hazards, continuous exposure to the GSM frequency is harmful for the user. How these concerns are justified? Methodology doesn't sound good. Apnea can be detected through EEG and ECG sensors. How it is related with the GSM directly? Justify and resubmit
14	TC-14	A Raspberry Pi based smart ring for women safety using IoT	Mr.Nisar Ahmed Memon Mr.Rahat Ali Bhatti	2K16/TCT/73 2K16/TCT/78	Unzila Chand Khan Siddique Waleed Haider	Resubmit	Based on the methodology and technology requirements it can not be complied that the smart ring can be constructed. How a camera will be fitted in to the ring? How will you specify the Sensor layer, middleware and service layer? Define the Architecture and circuit diagram, properly.
15	TC-15	Portable Bluetooth Printer	Mr.Rahat Ali Bhatti Mr.Muhammad Hussain	2K16/TCT/87 2K16/TCT/85	Faheem u Zaman Zulfiqar Khokhar	Reject	There are many projects available with bluetooth and can be connected automatically. Change your project.
16	TC-16	Hybrid Car Controlled by voice and gestures	Mr.Rahat Ali Bhatti Mr.Muhammad Hussain	2K16/TCT/07 2K16/TCT/59	Adeel Ahmed Shah Shaikh Najaf Naem	Resubmit	Problems, Aim and Objects do not match. Its strange that project is based on gesture and voice control but there is no camera or voice module mentioned in expected tools and technology requirement. It should be automatic, controlled by voice, gestures and must be remote operated. What do you mean by the lane assistant? kindly mention techniques. Resubmit.
17	TC-17	Quick response code based management system for IICT, UoS	Syed Raza Hussain Shah Mr.Rahat Ali Bhatti	2K16/TCT/56 0	Sayen 0	Reject	Projects are already made on the same theme.
18	TC-18	Radio frequency Identity based smart parking system	Mr.Rahat Ali Bhatti Mr.Muhammad Hussain	2K16/TCT/22 2K16/TCT/72	Hassan Usama Ummar Ahmed	Reject	Made earlier by 2k14 TC and also made by 2k13/ES
19	TC-19	Point tracking system for security purpose and parking management using GSM	Mr.Rahat Ali Bhatti 0	2K16/TCT/27 2K16/TCT/53	Maheen Shaikh Sahar khan	Reject	Made earlier. Change your project and resubmit.
20	TC-20	Monitoring Suspicious Discussions on Online forums	Mr.Rahat Ali Bhatti Mr.Muhammad Hussain	2K16/TCT/13 2K16/TCT/90	Atta Muhammad Shahani Tasawar Ali Chandio	Resubmit	This project should be compared with the earlier made projects. Design methodology do not sounds good. The work falls under Nature Language processing category and student should design the methodology properly and re-write the aims and objectives after improving the proposal literature review.
21	TC-21	Under Water Wireless Optical Communication	Mr.Nisar Ahmed Memon Mr.Rahat Ali Bhatti	2K16/TCT/26 2K16/TCT/89	Ms.Mahatab Mehran Shaikh Syed Mohammad Raza	Resubmit	Working diagram is not discussed properly. Mention Tools and Techniques properly. Either photo diode is used or drive circuits are used. Justify the cost of existing system and your proposed one. There is no feasibility report provided for complexity of the existing system and the proposed one.
22	TC-22	Quick response code based students attendance system	Mr.Rahat Ali Bhatti Syed Raza Hussain Shah	2K16/TCT/21 2K16/TCT/45	Gulnawaz Niazi Naveed Ali	Reject	Made in 2015 Software
23	TC-23	Radar System for Vehicle Anti-collision	Mr.Rahat Ali Bhatti Mr.Muhammad Hussain	2K16/TCT/66 2K16/TCT/62	Raheel Ahmed Syed Mehmood Ali Shah	Reject	Made in 2k13/ES. Resubmit with new title.
24	TC-24	Water Quality Monitoring System	Dr.Shahzad Ahmed Memon Mr.Rahat Ali Bhatti	2K16/TCT/62 2K16/TCT/29	Sher Muhammad Misbah Khan	Resubmit	Made earlier in 2k14 Telecom . Change your project title to make it more clear and distinguishable than the existing ones. How it will be different from earlier made projects. Specify and resubmit.
25	TC-25	Secure CPS for environmental Monitoring	Mr.Kamran Dahri Mr.Rahat Ali Bhatti	2K16/TCT/33 2K16/TCT/34	Muhammad Fahad Muhammad Fahad Butt	Resubmit	AI and machine learning are mentioned in expected tools and techniques but it is not incorporated in Methodology diagram. Figure 1 seems an IoT architecture but service layer, middle layer and interface layer is not distinguished. In Expected Tools and Technology, it is mentioned that they will be doing simulation but Fig 2 mention Raspberry Pi and microcontrollers. It is not clear that the project is based on hardware or only simulation. The methodology and problem statement should be improved the proposal should be resubmitted and will be re-evaluated.

26	TC-26	An effective small scale railway system	Mr.Muhammad Hussain	2K16/TCT/47	Noman Khan	Resubmit	Literature Review is a snapshot. It must be typed or hand written, current situation implies that the text is copied from another source. In Expected tools and Technology, it mentions RFID but it is not incorporated in methodology. It is an other application of Collision and detection using Ultrasound sensor. Provide sufficient details and justification as how your project is different?
			Mr.Rahat Ali Bhatti	2K16/TCT/40	M.Shamim		
27	TC-27	Face recognition based attendance biometric system for examination hall	Mr.Rahat Ali Bhatti	2K16/TCT/19	Fazal	Resubmit	Change your title and compare with the projects made earlier. What type of the algorithms used for face detection ? What type of features are considered? Which machine learning algorithm is used? This project should be resubmitted and will be re-evaluated, accordingly.
			Mr.Muhammad Hussain	2K16/TCT/8	Ameer Shah		
28	TC-28	Criminal Alert and Record Management system(CARMS)	Mr.Muhammad Hussain	2K16/TCT/61	Shan Ali Khuwaja	Reject	Made ealier in 2k14/Sw. Change your project and submit again.
			Mr.Kamran Dahri	2K16/TCT/74	Usama Ali Khowaja		
29	TC-29	Antenna Positioning Using Andriod System	Mr.Rahat Ali Bhatti	2K16/TCT/04	Abdull Hameed	Resubmit	What is the reason chosing remote area specially? As the remote areas have less interference as compared to the urban areas, the motivation of designing such antenna feels vague. Why advanced is mentioned here? Justify. What are the possible applications of the antenna positioning system?
			Mr.Kamran Dahri	2K16/TCT/60	Shair Alam		
30	TC-30	Smart Card Billing System using RFID	Mr.Rahat Ali Bhatti	2K16/TCT/48	Orangzaib Rajput	Resubmit	The project with similar these have been made several times, the one with very similar nature has been submitted 2k14 by BS IT students. Specify strong points for differentiating this project with the existing ones. Rework the methodology, do not provide the use case diagram only. The revised proposal will be reviewed and re-evaluated, accordingly.
			Mr.Nisar Ahmed Memon	2K16/TCT/42	Muzammil Ahmed		
31	TC-31	Home lights and Application Control through arduino and GSM	Mr.Rahat Ali Bhatti	2K16/TCT/17	Faroz	Reject	Already made by 2k15 EL , 2k14 IT and 2k15 IT.
			Syed Raza Hussain Shah	2K16/TCT/57	S.Mir Azam Ali Shah		
32	TC-32	Design and analysis using antenna app	Mr.Nisar Ahmed Memon	2K16/TCT/55	Sartaj Ali Kumbhar	Resubmit	There is already a matlab demo availabe for helix antenna. What will be the contribution of this project? Highlight the differences in detail with respect to the available demo and your project. Your project will be reviewed and re-evaluated, accordingly and your project evaluation will be based on the differentiated points.
			Mr.Rahat Ali Bhatti	2K16/TCT/24	Juma Khan Soomro		
33	TC-33	Mindwave based home automation control	Mr.Rahat Ali Bhatti	2K16/TCT/14	Attiqie Afzal	Resubmit	MW001 EEG sensor has 32 channel. How many channels will be used for analyzing the data? As the characteristics of each channel is different. Some are connected with front lobe and some are with side lobes. Which feature will be extracted with respect to each channel? What techniques will be used to analyse the data? Mind wave prototype is already availabe.What is the difference between the proposed and exsting one?
			Mr.Muhammad Hussain	2K16/TCT/01	Aamir Ali Baloch		
34	TC-34	Underwater Wireless Optical Communication	Mr.Nisar Ahmed Memon	2K16/TCT/26	Miss.Mahatab Mehran	Resubmit	The scope, introduction and the background of the project section is totally misleading. Their motivation must be to solve the long-range communication but suddenly they jump for the implementation of very short range communication. This concept is very similar to free space optics (FSO) which are commonly implemented and working. a few are implemented in our neighboring campus MUET. How their project is different than the ones already implemented? Detailed circuit diagram is missing. What kind of drive circuits and photodiodes will be used (mention the ICs and microcontrollers which will be used), this information is necessary as the proposal has been submitted late. It is strange to make a 20cm link, people can communicate directly with their normal baseband signal, why do we need a FSO link in this case? Justify the points clearly.The project will be reviewed and reevaluated based on the updated proposal.
			Mr.Rahat Ali Bhatti	2K16/TCT/89	Syed Mohammad Raza		

Note: The last date for resubmission of the Final Year Project Proposal is 8th August 2019.